ORP Project Managers Meeting
April 26, 2011
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

Distribution:

W. Abdul	ORP	H6-60
S. L. Charboneau	ORP	H6-60
F. B. Hidden	ORP	H6-60
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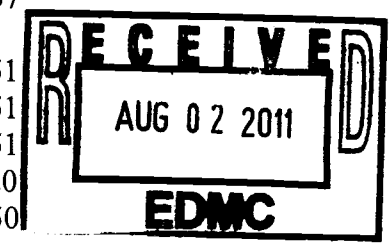
C. J. Kemp	ORP	H6-60
D.P. Knight	ORP	H6-60
R. W. Lober	ORP	H6-60
J. J. Lynch	ORP	H6-60
J. F. Norton	ORP	H6-60
D. L. Noyes	ORP	H6-60
G. B. Olsen	ORP	H6-60
R. W. Russell	ORP	H6-60
S. C. Stubblebine	ORP	H6-60
W. J. Taylor	ORP	H6-60
G. D. Trenchard	ORP	H6-60
J. S. Trent	ORP	H6-60
J.D. Young	ORP	H6-60
D. Becker	Ecology	H0-57
R.K. Biyani	Ecology	H0-57
T.Z. Gao	Ecology	H0-57
J. J. Lyon	Ecology	H0-57
J. D. McDonald	Ecology	H0-57
D.W. Mears	Ecology	H0-57
J. Price	Ecology	H0-57
H.M. Bowers	WRPS	R1-51
J.W. Donnelly	WRPS	R1-51
J. J. Luke	WRPS	R1-51
S. E. Killoy	WRPS	E6-20
R. J. Skwarek	WRPS	R2-50
R. A. Kaldor	MSA	A5-11
R. E. Piippo	MSA	H7-28



ADMINISTRATIVE RECORD – Heather Childers: H6-08

Please send comments on distribution list to Woody Russell (Woody_Russell@orp.doe.gov).

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The undersigned indicate by their signatures that these meeting minutes reflect the actual occurrences of the above dated Project Managers Meeting.

Bob Lober, DOE-ORP — Date: 6-30-2011

Chris Kemp, DOE-ORP — Date: 6-28-11

Wahed Abdul, DOE-ORP — Date: 8/1/11

Jeff Trent, DOE-ORP Jason Young Acting FPM — Date: 6/28/11

Gary Olsen, DOE-ORP — Date: 6-28-11

J. Lyon, Project Manager,
Washington State Department of Ecology — Date: 7-26-11

J. D. McDonald, Project Manager,
Washington State Department of Ecology — Date: 6-28-11

Purpose: ORP Project Managers Meeting

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ORP Project Managers Meeting
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1.0 Administrative Items

Previous meeting minutes approval: The March 22, 2011 Project Managers Meeting (PMM) minutes were approved.

2.0 Review of the ORP Project Summary

- Action Item List

The action items were addressed at the end of the project summary report. Attachment A contains the current open actions. Closed actions will be carried until the next monthly meeting.

- Key Documents List

ORP provided Ecology an updated table of key documents. The list is being maintained as a real time document. DOE-RL maintains a separate key document list.

Waste Treatment Plant

ORP reported that TPA Milestone M-062-49 is on schedule to meet the October 31, 2011 due date. Bechtel is preparing a draft on the detailed planning and incorporating comments that were received on last year's draft report. ORP estimated that Bechtel will submit the draft to ORP for review by the end of this month.

Ecology asked about the statement in the TPA project summary report for WTP regarding "facility percent complete values for construction decreased." ORP explained that the percentage complete is based on how much work has been done compared to how much total work is to be done. A baseline change proposal (BCP) was approved in February 2011, which increased the amount of work to be done, thereby reducing the percentage of work completed. Ecology asked about the incorporation of final commodity changes. ORP explained that commodities are items such as concrete and steel, and as designs become complete, the required commodities are incorporated into the budget. Ecology stated its understanding that with the size of the analysis and increase in revised ground motion, additional conservatism was included in the design of the structure, and that conservatism should offset some of the need for additional steel and concrete. ORP agreed, but added that there still are changes in the estimate for total steel and concrete needed for the rest of a building. It was noted that the changes in estimates for commodities is sitewide.

Significant Planned Actions in the Next Six Months - The full Construction Project Review (CPR) has been moved from May to August 2011 due to an upcoming Earned Value Management System (EVMS) recertification of Bechtel scheduled for July 2011. The main objective of the CPR is to evaluate whether the schedule and cost baseline can be met to complete the project. The CPR is further broken down to review items such as safety planning, management structure, and timely issue resolution. The review is conducted by Headquarters Office of Engineering and Construction Management (OECM). The Low Order Accumulation Model (LOAM) testing is undergoing a review of the draft report, and the final result is expected to be issued in May 2011.

Ecology asked about Defense Nuclear Facility Safety Board (DNFSB) open issues. ORP responded that there are a number of open issues. Responses are being developed to DNFSB recommendation 2010-2, which is the vessel mixing issue. The deadline to complete the response is in June 2011. ORP is working with PNNL on the testing and method for the spray leaker release calculation in response to the DNFSB's request for increased conservatism. Ecology asked if it could be present during the DNFSB outbriefs of issues. ORP will find out if Ecology can be included.

Issues - Ecology questioned the comment under issues of no significant issues. ORP explained that the statement means no additional new issues, but all the ongoing DNFSB issues continue to be updated, such as the hydrogen piping in ancillary vessels (HPAV) path forward and the quantitative risk analysis (QRA).

Pretreatment (PT) Facility

ORP reported that construction is performing well. Four major concrete wall placements are going up this week on the 77- to 98-foot elevation. Piping installation is ramping up towards the goal of 90,000 feet of pipe installation.

Significant Planned Actions in the Next Six Months - Testing for the Large Scale Test will be initiated by September 2011, starting with the four-foot vessel. Three levels of testing will be performed in the four-foot, eight-foot and 14-foot vessels. Those three vessels will meet the scaling requirements of the large scale testing; however, if issues arise, a larger vessel may be used for testing. Ecology asked if the testing will meet the DNFSB's concerns. ORP responded that it will address the concerns, and ORP will continue to keep the DNFSB apprised. ORP noted that the testing will be conducted locally.

Ecology asked about the status of the mass balance information on the recycle for second LAW. ORP responded that the information is being reviewed, and it will be incorporated into the overall flow sheet that will be developed. ORP will provide an answer to Ecology within a month regarding the flow sheet for second LAW recycle. Ecology asked if there was an update on early LAW. ORP stated that early LAW is still being pursued. An independent review of the early LAW scenario (2020 vision) and the technical preparedness to be able to feed LAW will be initiated next week. A subcommittee from the Environmental Management Advisory Board (EMAB) will be conducting the review. Pending the successful outcome of the review, ORP will continue to move forward with the funding request for early LAW.

Issues - ORP reported on the strategy that has been developed for a path forward regarding the issue with the Pretreatment Vessel Vent Process (PVP) and the Process Vessel Vent (PVV) analysis and design modifications. Bechtel has sent ORP a letter containing the PVP/PVV detailed strategy, which ORP will provide Ecology. The goal is to ensure the PVP/PVV system meets the functional criteria. If the planning and testing meet that goal, the PVV will be maintained as a passive system; in a Design Basis Earthquake (DBE) condition, the PVV will go to the C5V filter system. If some of the parameters of the testing don't meet the functional criteria, the option for the potential need for additional equipment is also being planned. ORP noted that the path forward is only directed towards a post seismic DBE event issue, and it is not an issue in normal operations.

High Level Waste

Significant Past Accomplishments - The installation of the filter cave is proceeding. Delivery of the C5V filter housings was received, and installation should start in early ~~June~~ Aug 2011.

Significant Planned Actions in the Next Six Months - The project critical path is delivery of the C5V dampers. Receipt of the dampers is anticipated in July 2011. In response to a request by Ecology, ORP has prepared a briefing on the process for building out the filter cave, and indicated the briefing is targeted for the middle of May 2011.

Issues - Ecology requested additional information regarding the issue of Nuclear Quality Assurance (NQA-1) vendors, Nuclear-Grade Quality (Q) instruments, and Commercial Grade Dedication (CGD) implementation. ORP responded that there is a shortage of vendors that have an NQA-1 qualified factory, due to the down turn in the nuclear industry. ORP explained that as the project moves from engineering to the procurement phase, the shortage of NQA-1 vendors will

bring the issue to the forefront. ORP management is following the issue closely, and teams are being established to work with the vendors that are less prepared to deliver a product to meet all of the exact specifications, material qualifications, and documentation requirements.

Ecology stated that its understanding was that the change to CGD, coupled with specific detailed requirements to achieve NQA-1 equivalency, was to resolve some of the problems and provide a simpler, more economical approach. ORP responded that the effort required to address the issue was anticipated. Ecology asked if eventually the process will not require so much effort. ORP stated that it did not foresee much of a decrease in effort since it would cost much less to provide teams to work with the vendors rather than the vendor completely restructuring its organization and facility. ORP noted that some vendors are better prepared to provide CGD, and as the teams work with those vendors, there will be lessons learned and the vendors will become more effective. Ecology commented that the HLW critical path seems to be threatened by this issue. ORP responded that the impact to the critical path pertains to one individual procurement within HLW, which is the dampers. ORP noted that Q procurements are more difficult, and this issue will be a continuing focus to be managed very actively for the next two years.

Low Activity Waste Facility (LAW)

Significant Past Accomplishments - Thermite welding was completed in the south finishing line and moved to the north finishing line.

Significant Planned Actions in the Next Six Months

ORP reported on the quality issue associated with the fabrication vendor for the carbon bed adsorber (CBA). When the side panels were being welded, some distortion was encountered, which the contractor self-identified. Bechtel deployed additional staff to the facility and the panels have been removed. New stainless steel material has been ordered, and a revised assembly plan is being developed to get the panels delivered on site by November 2011. A re-sequencing has been done for placement of the offgas equipment in the +48-foot elevation, but the critical path has not been affected. Ecology stated that as part of commissioning of the CBA, an inspection, walkdown and certification is planned for August 2011. Ecology requested the milestone schedule for the commissioning of each of the systems, particularly the hazardous waste management systems. ORP will work with Ecology to provide the schedules.

Analytical Laboratory (LAB)

Significant Past Accomplishments

Ecology asked why the overall facility complete is only 46 percent. ORP responded that if commissioning is taken out, it's overall 71 percent complete. ORP noted that commissioning includes all of the analytical process, which is being developed by URS-Bechtel. ORP stated that the status of the Auto Sampling System (ASX) should have been included in today's handout under construction status. ORP displayed a carrier tube that is used to carry samples in the ASX, and provided a brief explanation for the sample process.

Balance of Facilities (BOF)

Significant Planned Actions in the Next Six Months - The decision has been made to procure an emergency turbine generator instead of the emergency diesel generator (EDG). Three vendors will be submitting their technical proposals on May 12, 2011, and a selection will be made by May 31, 2011. The intent is to issue the purchase order by June 30, 2011.

ORP reported that there was an issue with the manufacturer of the ammonia vaporizer skid vessel. The production welds on the vessel failed a U-V notch test required by ASME. The manufacturer self-identified the failed welds, and it is preparing a weld plan for Bechtel's review.

Tank Farms

Tri-Party Agreement and Consent Decree (TPA and CD) Statistics/Status - ORP stated that the TPA M-045-15 milestone series associated with the S-102 tank swap are listed as at risk, but a recent change package will be reflected next month how those milestones are changing. ORP noted that the CD milestones that are completed with issuance of the quarterly report will be carried through the quarter and then deleted.

Single-Shell Tank Corrective Action; M-45, -50, -60:

M-045-58 - Ecology asked about the status of the Agreement in Principle (AIP) applicable to the Appendix I change. DOE-ORP stated that the AIP was signed by EPA and DOE-RL but not Ecology. Discussions regarding the 3116 legislation has held up full agreement on the AIP, and discussions are at the Headquarters level for resolution. Ecology stated its understanding was that the AIP issue was closed since there had not been a formal extension beyond March 28, 2011, when the issue was to be resolved. DOE-ORP acknowledged that there has not been a formal

extension beyond March 28. Ecology requested that the Tri-Parties discuss with their respective management about how the process is being followed, or not followed, regarding the AIP.

M-045-60 - ORP stated that the modified SAP was approved by Ecology via email, and a formal letter approving the SAP is being processed in Ecology and is anticipated for transmittal within two weeks. Field work is being conducted to the modified SAP. ORP noted that EPA is planning a tour of WMA-C on May 11, 2011, and an invitation was extended to Ecology to participate. EPA will also review the actions being taken for the corrective action work during its tour. Ecology asked if EPA could review the decommissioning, and ORP stated it would work through the details to set up that review.

M-045-92 - The construction finish date for completion of interim barriers has been changed from June to October through change package approval. The finish date of October is to take advantage of the summer months. The next completion of interim barriers will be October 2012. ORP is finalizing a barrier design for submittal to Ecology to meet a deliverable in June 2011. The design will be formally submitted via letter.

Significant Past Accomplishments - Direct push characterization in C-104 has been completed. The results will be available internally to ORP today. Currently a diagonal push is being done at C-101. The 3-D SGE data analysis and reporting for 241-BY Farm was issued, and the results showed some resistivity signals around 107 and 108 in BY-111, with very little resistivity anomalies below 25 meters. The data from the direct push campaign in BY Farm is expected by the end of July 2011. The 2-D lines in UPR-82 have been completed, and the final report for UPR-82 is due by the end of July 2011. Work in S Farm has been initiated, and seven sites have been identified for direct push campaigns. Ecology asked if the reanalysis of well-to-well resistivity data was using 3-D. ORP responded that it used 2-D because there were not enough deep electrodes in those areas of C Farm for 3-D.

Issues - Ecology stated that its understanding was that an agreement was reached on the AIP. ORP responded that an AIP is in development for discussion regarding Ecology's request for additional RFI/CMS milestones. DOE-ORP stated that the draft AIP was sent to Ecology last week which proposed language for the AIP, and Ecology has not responded with comments. DOE-ORP stated that the timing of the discussions will be conditional on completion of the next nine tanks conversations because milestones cannot be agreed to related to the next farms until the next set of tanks are identified. Ecology responded that its perception of what needs to be done is different from DOE-ORP's. Ecology stated that retrievals and RFIs do not need to be aligned

with the same farms. It was agreed that those discussions can take place following the next nine tanks discussions.

M-45-00 Series:

TPA-SST Retrieval and Closure Program - Issues: A meeting is scheduled for tomorrow (4/27/11) with ORP, Ecology and EPA to discuss the IS-1 issue.

C-Farm Critical Path - ORP reported that the C Farm critical path schedule completion date has not changed, and completion is still expected by 9/5/14. ORP provided an update on specific areas of change from last month's report (pg 24 of TPA project summary). There were no changes to report for tank C-102 or DST receiver Tank 4. Tanks C-110 and C-111 are still on schedule. Ecology asked about the hard heel sampling in C-111 that was scheduled for November 2011. ORP stated that the sampling is not planned because the tool needed for the sampling, the equivalent of an enhanced rotary mode core sampler, is not available due to funding. The tool is different from the core sampler, which was used in the early 90s in an unsuccessful attempt to get a sample. ORP noted that this sample is a process pre-retrieval sample and does not fall under regulatory sampling requirements.

Tanks with Individual Milestones:

Tank 241-S-102 - See discussion regarding the AIP under the issues for Single-Shell Tank Corrective Action.

Tank 241-S-112 - There was no change in status.

CD-SST Retrieval and Closure - D-00B-02 - Facilitated workshops are being set up to discuss the selection of the nine SSTs.

CD-TWRWP Status - ORP stated that internal discussions are ongoing regarding the second technology, and meetings will be scheduled with Ecology in the near future. Ecology requested moving the second and third bullet under issues regarding second technology and end of retrieval to the action item log and to schedule meetings to discuss the issues (bottom of pg 7 of CD project summary). Ecology asked about a time frame for scheduling the meetings, and ORP committed to the second week in May 2011. Regarding the issue for future TWRWP changes, ORP indicated that an upcoming meeting will be held for C-107.

M-045-91, SST Integrity Assurance - The change request associated with milestone M-045-91F-TO4 is in Ecology review. Ecology requested discussion on some of the results from the expert panel about how their recommendations were implemented regarding follow-up change packages. ORP stated that a letter summary of the February session is forthcoming from the expert panel, and ORP will schedule a meeting after the letter is released. The ionic conductivity feasibility report under M-045-91F-TO3 is planned for submittal to Ecology for review in July 2011. The report is not due until 2013, and it is anticipated it will be completed early. The Structural Analysis of Record final documentation for M-045-91G-TO1 and M-045-91G-TO2 are also anticipated for early completion. Ecology noted the three documents slated for early completion, and requested that the change in delivery dates to Ecology be noted on the ORP key documents list in the comment section.

Interim Stabilization Consent Decree - This item will be carried through this quarter, and then deleted from the project summary.

In Tank Characterization and Summary - ORP noted that the second bullet under accomplishments was completed in 2010 and should not be carried.

Planned Actions Within the Next Six Months - ORP reported that the off riser tank sampling in C-109 has been completed and sent to the lab. Ten sample locations were retrieved out of 15 attempted locations, and all the quadrants were covered. Ecology asked about the number of samples, noting that during observation at the lab, there were five jars in the hot cell. ORP will provide a response to Ecology regarding the number of off riser samples from C-109. Ecology asked if the C-104 sample is the final sample or hard heel sampling scheduled for June 2011. ORP responded that it is the mid-retrieval sample. Ecology stated that the Data Quality Objective (DQO) for final sampling from C-108 needs review regarding shortening of the analyte list. Ecology stated that comments were submitted to ORP on the 244-CR Vault DQO, and a response has not been received. ORP will check on the status of the response to comments. Ecology noted that a SAP will be generated from the CR Vault DQO, and since it will require a document review, it should be put on the key documents list.

Tank Operations Contract (TOC) Overview - ORP provided an update for the unfavorable current month (CM) schedule and cost variance; the unfavorable contract-to-date (CTD) schedule variance; and the favorable CTD cost variance. Ecology inquired about the jumper fabrication (CLIN 1 base operations). ORP stated that it was the AN-6 B pit jumpers. Ecology asked about the removal of obsolete equipment. ORP will provide more detail on the equipment. Ecology

inquired about the wiped film evaporator procurement cost savings (CLIN 2 retrieval and closure). ORP explained that based on compatibility studies, a less expensive alloy was able to be used for the evaporator. Ecology asked if a full-scale demonstration model of the wiped film evaporator will be built. ORP responded that a full-scale model will be built, and it has not yet been determined whether the demo model will be used for operations. Components have been procured in anticipation that the demo model would qualify for use. Ecology suggested that since materials are being procured and compatibility assessments are being made, ORP should consider involving Ecology in the permitting process at the appropriate time. ORP stated that in the current baseline schedule, deployment of the evaporator is in the 2017-18 time frame; however, if there are baseline changes that provide for earlier deployment, the permitting discussions would definitely become more relevant. ORP noted that a meeting with Ecology was held about a month ago to discuss the timing, format, permitting approach and alternatives for the wiped film evaporator. Ecology stated that it is in agreement with using the demo model, and will continue to bring up the discussion.

Complete Acquisition of New Facilities; M-90-00; M-47-00 - ORP reported that two meetings were held on April 18, 2011, to kick off the major contractor Integrated Project Teams (IPT). The first IPT meeting was held with ORP and WRPS for the Interim Hanford Storage Facility (HSF), and following that was the IPT meeting for the Secondary Waste Treatment project (to be co-joined with supplemental treatment IPT). The purpose of the IPTs was to assemble the majority of the team and provide a brief overview of the two projects and the high level schedule of anticipated events.

WRPS has issued a contract to Energy Solutions to prepare four alternatives on the down-selection of potential alternatives for the HSF. Four alternatives are being evaluated: 1) below-grade vault storage that's similar to the one used at Savannah River; 2) open rack storage similar to storage at the High Level Waste vitrification plant; 3) outdoor dry cask storage similar to the spent fuel storage used at nuclear plants; 4) retrofitting the Canister Storage Building (CSB). Energy Solutions will provide a document on the alternative selection in the May-June 2011 time frame. Completion of the conceptual design report is expected to meet the schedule of May 2012. The operation need date is 2018. ORP has held one meeting with Energy Solutions.

Relative to the Secondary Waste Treatment project, the same format was used for the IPT. WRPS is early in the process and is finalizing the Statement of Work to go out for bid. Proposals are

expected in the June-July 2011 time frame. Completion of the conceptual design report is on schedule for May 2012.

ORP reported on the action taken from the 3/22/11 PMM to set up an information-sharing meeting with Ecology for the High Level Waste Facility and the Supplemental Treatment Facility. ORP has proposed scheduling separate meetings for the two facilities, since the supplemental treatment project will involve more technical questions that can be addressed by the specific ORP project manager. Both meetings would include the project team from WRPS, and rough order of magnitude cost estimates and high-level schedule milestones would be provided.

ORP reported that a 4/15/11 email was received from Ecology requesting that the meeting include a briefing on supplemental pretreatment, project initiatives and supplemental treatment project initiatives, and how the initiatives are aligned with the WTP initiatives where applicable. Ecology also requested a briefing at the meeting on the Integrated Disposal Facility (IDF), ETF upgrades, evaporator needs and challenges, any other initiatives, and a holistic systems view. ORP stated that the additional briefing requests by Ecology increases the complexity of what was planned for the meeting on a near-term basis and would involve a higher level of management. ORP proposed meeting in mid-May 2011 to address supplemental pretreatment, immobilization and HSF, and then take an action to schedule a meeting in July 2011 to address the larger scope that Ecology is requesting. Ecology agreed with the proposal for the two meetings

Supplemental Treatment and Part B Permit Applications; M-62-00, -20, -30, -40 - ORP stated that a meeting was scheduled with Ecology on May 3, 2011 for an initial discussion on the draft AIP associated with M-062-30. However, there is a conflict with the EMAB that week, and ORP will be rescheduling the meeting. A meeting was held in April 2011 on the alternative analysis scenarios for supplemental pretreatment, and an in-tank and a near-tank were the two alternatives down-selected.

System Plan - ORP reported that currently everything is on schedule. The 50 percent review of system plan 6 is under way, and comments have been received from tank farms, WTP and Ecology and are being incorporated into the system plan. All of the scenarios, which were provided by ORP and WRPS, have been addressed in various meetings with Ecology. Discussions will take place on some of the modeling and verification results that are coming in.

3.0 Agreements

Ecology distributed a handout for inclusion in today's minutes. The handout listed questions that Ecology generated regarding schedules for achieving milestone goals. Ecology noted that there might be some layoffs planned for lab personnel, which generated the question regarding sampling schedules and getting samples processed on time. ORP responded that the 222-S Lab has been approved by Headquarters to reduce the lab work force by 25, which are positions supported by American Recovery and Reinvestment Act (ARRA) funding. That ARRA funding ends September 30, 2011. Ecology also noted the permitting process and the need to have a deliverable schedule so that Ecology can plan its resources to be able to process the permits in a timely manner. Options were discussed for processing Ecology's list of questions, and it was agreed to discuss them during the existing biweekly closure meetings. A summary of the discussions will be provided at the PMMs.

4.0 Items for the Administrative Record

The meeting minutes for the February 2, 2011 meeting regarding future characterization sites for potential interim barrier 2 will be submitted to the AR.

5.0 Upcoming Meetings

The next PMM is scheduled for June 27, 2011. The Quarterly Milestone Review meeting is scheduled for May 19, 2011.

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Attachment A: Action Tracking

(3 pages including this cover sheet)

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Attachment B: List of Attendees

(2 pages including this coversheet)

Sign In Sheet
Managers Monthly Milestone Review Meeting
April 26, 2011

NAME	ORG	MSIN	PHONE
JAMES J. LYNCH	ORP	H6-60	376-4170
Jason Young	WTP	H6-60	376-0375
DAVID BECKER	ECOLOGY		372-7990
Robbie Biyani	"		372-7884
DAVID MEARS	"		372-7899
SHAUN CIMON	ODOE		(541) 963-0853
Jeff Bruggeman	WTP		438-0444
Reed Kaldor	MSA		372-1992
Delmar Noyes	DOE-WTP		376-5166
Wahed Abdul	DOE-WTP		438-0455
Chris Kemp	ORP		373-0649
Jeff Rambo	ORP		376-4997
Mike Barnes	Ecology		372-7927
Michelle Hendrickson	Ecy		372-7970
Jeremy Johnson	ORP		376 1866
Janet Diediker	ORP		372-3043
Kathy Diggins	ORP		376-3658
Joni Norton	ORP		376-6202
Bob Lober	ORP		373-7945
ROB PHILBO	MSA		373-3285
NANCY UZIMBLO	WDOE		
RON ROLL	ORP		376-4439

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Attachment C: Presentation Materials

ORP TPA Project Summary and Handouts
(44 pages)

And

ORP Consent Decree Project Summary and Handouts
(24 pages)

And

Working ORP Key Documents List
(4 pages)

(73 pages including this coversheet)

ORP Action Items
4/26/2011 PMM

Open (O)/ Closed (X)	Action No.	Co.	Actionee	Project	Action Description	Date Opened	Status
O	100-176	ORP	C. Kemp	Tank Farms	Within 30 days after the CD is signed, set up a meeting to discuss the M-45-15A thru D and M-45-13A thru D milestone path forward.	4-27-10	3-22-11: Still in progress.
O	100-190	ORP	T. Fletcher	Tank Farms	Provide an explanation to the Tribes of the process for the 242-A Evaporator Campaign and the MARS	5-20-10	3-22-11: Open; no new status.
O	100-204	ORP/ WRPS	C. Kemp/ J. Luke	Tank Farms	Provide hard heel dissolution DQO to Ecology.	9-27-10	3-22-11: M. Barnes is working with WRPS, leave open.
O	100-208	ORP/ ECY	J. Diediker/ J. Lyon	Tank Farms	Provide Ecology the 222-S lab performance information. These will be tracked at the regular PMMs.	10-26-10	3-22-11: Added J. Lyon as actionee.
O	100-215	ORP	C. Kemp	Tank Farms	Provide Ecology with ORP's critical path schedule for A-AX and retrieval of the next WMA after C Farm	12-28-10	3-22-11: Combined with 100-189. Note ongoing discussion on next tank for retrieval.
O	100-216	ORP	C. Kemp	Tank Farms	ORP will coordinate with WRPS on responding to AG comments on C Farm demo plan.	1-24-11	3-22-11: No change
O	100-217	ORP	J. Lynch	ORP	ORP needs to ensure the Key Document List Project Managers correctly reflect what is available on the TPA web page PM list.	1-24-11	3-22-11: On-going. Please send any updates to James J. Lynch.

Open (O)/ Closed (X)	Action No.	Co.	Actionee	Project	Action Description	Date Opened	Status
O	100-219	ORP	J. Diediker	ORP	Ecology asked for information on the infrastructure DST receiver Tank 3 design negative and positive float. Ecology wants to understand and resolve how things are linked and displayed in these charts.	3-22-11	Open
O	100-220	ORP	C. Kemp	Tank Farms	Ecology requested a schedule for any TWRWP changes.	3-22-11	Open
O	100-221	ORP	C. Kemp	Tank Farms	Discuss the IS-1 Common Vision in the Closure Plan meeting.	3-22-11	Open
O	100-222	ORP	J. Johnson / S. Pfaff	Tank Farms	Ecology asked for information on the waste feed delivery DQO process; who is attending the meetings, how often, and when.	3-22-11	Open
O	100-223	ORP	J. Diediker	ORP	Ecology asked for a meeting for information sharing on the secondary HLW waste storage and supplemental treatment (M-045, -047, -062, and -090).	3-22-11	Open
O	100-224	ORP	J. Lynch	ORP	Ecology asked that ORP work with RL to put together a combined Key Document List of everything Ecology will be working on.	3-22-11	Open

FINAL

Office of River Protection

Tri-Party Agreement
Project Summary Report
April 26, 2011

Fiscal Year 2011 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Date Completed	On Schedule	At Risk	Recoverable	To Be Missed	Missed	In Litigation	Deleted	In Program Planning	In Abeyance	Dispute Resolution
M-062-40A	Select a Minimum of 3 scenarios	10/31/10	10/27/10										
D-001-00-R46	Quarterly Report	10/31/10	10/28/10										
M-045-100	Submit to Ecology an Agreement Primary Document a Catch Tank "Assumed Leak" Response Plan.	12/28/10	12/28/10										
M-045-101	Submit to Ecology as an Agreement Primary Document a Report on all Catch Tanks and Pipelines Used for SST Operations	12/28/10	12/28/10										
M-045-91A	Submit an Agreement Change Package with Interim Milestones to Implement the Panel's Recommendations M-045-91	12/27/10	09/27/10										
M-045-92D	Complete Negotiations to Schedule Remaining 4 Additional Barriers	12/31/10	12/07/10										
M-045-92E	Meet Yearly on Performance of Barrier	12/31/10	12/07/10										

Fiscal Year 2011 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Date Completed	On Schedule	At Risk	Recoverable	To Be Missed	Missed	In Litigation	Deleted	In Program Planning	In Abeyance	Dispute Resolution
M-045-15B	Remaining Wastes Adequately Characterized; Risk Assessment Completed for Residuals Remaining in the Tank	06/30/11			X								
M-045-15C	Update S-102 Component Closure Activity Plan	06/30/11			X								
M-045-15D	Exception to Waste Retrieval Criteria Pursuant to Agreement Appendix H	06/30/11			X								
M-036-01A	Submit to EPA & Ecology Lifecycle, Scope, Schedule & Cost for Hanford Site (RL is DOE Lead)	07/25/11		X									
D-001-00-R49	Quarterly Report	07/31/11		X									
M-045-56G	Ecology and DOE Agree to Meet, at a Minimum, Yearly (by July)	07/31/11		X									
M-062-01W	Submit Semi-Annual Project Compliance Report	07/31/11		X									
M-045-91C	Implement DQO Process, Test Plan to Evaluate the Chemistries	09/30/11		X									

Fiscal Year 2012 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Date Completed	On Schedule	At Risk	Recoverable	To Be Missed	Missed	In Litigation	Deleted	In Program Planning	In Abeyance	Dispute Resolution
M-062-30	Complete Negotiations Establishing Milestones for Near-Term Actions	10/25/11		X									
M-062-40B	Submit System Plan	10/31/11		X									
M-062-49	Submit Report to Ecology Demonstrating WTP Design Meets Vit. Criteria	10/31/11		X									
M-045-91B	Submit a Sampling and Analysis Plan to Ecology	12/30/11		X									
M-045-92F	Meet Yearly on Performance of Barrier	12/31/11		X									
M-045-91F-T02	Provide Report of Liner Failures for SSTs	01/31/12		X									
M-045-91G-T02	Provide AOR Final Doc. For SSTs on 750,000 Gallon Tanks	01/31/12		X									
M-045-91F-T01	Provide Report of the Liquid Leak Rate Assessments	01/31/12		X									
M-045-91D	Submit Analytical Test Plan for Cores Removed from C-107 Plug	03/31/12		X									
M-045-91G-T06	Provide Report of the Visual Inspection of 12 SSTs per criteria in M-045-91G-T05	03/31/12		X									

WBS 5.2 Retrieve and Close Single Shell Tanks

M-045-58, Submit to Ecology for Review and Approval as an Agreement primary document, a phase 2 CMS Master Work Plan, Due: 12/31/08 Status: Complete.
Master Work Plan is in the Primary document revision process. ORP transmitted its response to Ecology on August 18, 2010. Ecology extended review of comment responses to October 29, 2010. Ecology requested at the October PMM a two week extension from October 27, 2010. ORP acknowledged that Ecology's comment response will be considered in abeyance until DOE-ORP, Ecology, and EPA complete their negotiation of the AIP applicable to Appendix I. Ecology assumed that negotiations would be done December 24, 2010. They have been extended.

M-045-60, Submit to Ecology for review and approval as an Agreement primary document DOE's Phase 2 RFI/CMS Work Plan and Sampling and Analysis Plan (SAP) for WMA C, Due: 12/31/08, Status: Complete.
ORP and Ecology continue to meet monthly to identify and manage changes in the work plan. Meetings were held January 27 and February 25, 2011. Meeting minutes for the November 17 session have been signed by the parties and have been entered into the TPA administrative record and applicable change requests. Meeting minutes for the January 27 session have been signed by the parties and have been entered into the TPA administrative record and applicable change requests. The February minutes are under review.

M-045-56G, Complete Implementation of Agreed to Interim Measures, Due: 07/31/11, Status: On Schedule

M-045-92F, DOE and Ecology will meet yearly to review the monitoring data, agree to changes in monitoring (if needed) and assess the performance of the demonstration barrier, Due: 12/31/2011, Status: On Schedule

M-045-61, Submit to Ecology for review and approval as an Agreement primary document a Phase 2 RFI/CMS Report for WMA C, Due: 12/31/14, Status: On Schedule

M-045-62, Submit to Ecology for review and approval as an Agreement primary document a Phase 2 Corrective Measures Study Report for WMA C, Due: 06/30/2015, Status: On Schedule

M-045-92, DOE and Ecology will establish selection criteria for installation of additional interim barriers at additional WMAs (beyond the T-106 and TY barriers), Due: 9/30/2016, Status: On Schedule

M-045-59, Control surface water infiltration pathways as needed to control or significantly reduce the likelihood of migration of subsurface contamination to groundwater at the SST WMAS (pending the CMS report, milestone M-45-58, and implementation of other interim corrective measures), Due: TBD, Status: On Schedule

Significant Past Accomplishments:

SST Retrieval and Closure Program

M-045-82, Submit complete permit mod requests for Tiers 1, 2, & 3 of the SST, Due: 9/30/2015 Status: On Schedule

M-045-84, Complete negotiations of TPA interim MS for closure of second WMA, Due: 1/31/2017, Status: On Schedule

M-045-83, Complete the closure of WMA C, Due: 6/30/2019, Status: On Schedule

M-045-85, Complete negotiations of TPA interim MS for closure of remaining WMAs, Due: 1/31/2022, Status: On Schedule

M-045-70, Complete waste retrieval from all remaining SSTs, Due: 12/31/2040, Status: On Schedule

M-045-00, Complete Closure of all Single Shell Tank Farms, Due: 1/31/2043, Status: On Schedule

M-045-86, Submit retrieval data report to Ecology for 19 tanks retrieved, Due: TBD (12 months after retrieval certification), Status: On Schedule

Significant Past Accomplishments:

See discussions above and related discussions in Consent Decree report.

Significant Planned Activities in the Next Six Months:

See discussions above and related discussions in Consent Decree report.

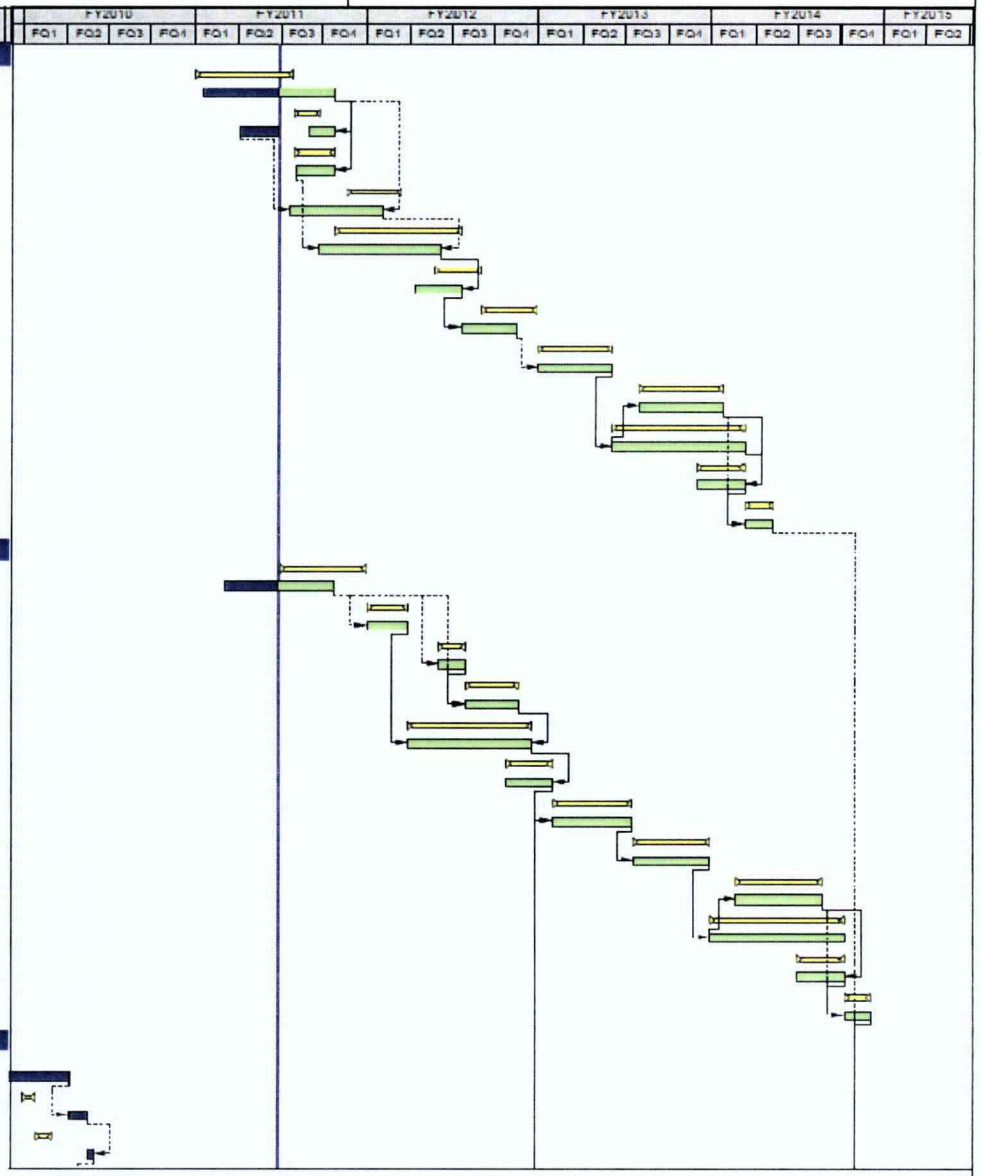
Issues:

- C-106 Closure Plan approval and SST radiological Categorical Notice of Construction (NOC) Phase 3 (closure) and a toxics categorical NOC application are pending completion of the Tank Closure and Waste Management Environmental Impact Statement (EIS) and associated Record of Decision (ROD); forecast completion for the final EIS is in the Winter of 2011.

- The Richland Office of USDOE has proposed an IS-1 alternate to the planned deliverable, as we understand the "IS-1 Common Vision" discussion on 1-18-11. IS-1 requires the delivery of an RFI/CMS that would include Tank Farm Pipelines. Ecology remains unclear on the objective of the USDOE Plans for IS-1 but must have this work plan to ensure that we can complete the SST Closure plan on schedule for the TPA milestones. This should be included in the critical path as well.

Out Year Planning Estimate Range | C-Farm Critical Path by WBS | Data Date 28-Mar-11

Activity ID	Activity Name	Orig Dur	Rem Dur	Current Start	Current Finish	Total Float	Chg Since Last Month
5.02.02.06.01	**C-101 Retrieval**	**749**	**725**	**18-Oct-10 A**	**10-Feb-14**	**162**	**0**
HHA-3C001B	C-101 Retrieval Design	144	86	18-Oct-10 A	27-Jul-11	226	-29
HHA-3C001C1	C-101 Retrieval Procurement - Bid/Award Purchase Orders	40	40	06-Jan-11 A	27-Jul-11	247	11
HHA-3C001E1	C-101 Retrieval System Installation Bid/Award Contract	60	60	03-May-11	27-Jul-11	226	-19
HHA-3C001C	C-101 Retrieval Procurement - Receive Equipment	136	136	21-Apr-11	03-Nov-11	275	29
HHA-3C001E	C-101 Retrieval System Installation	179	179	22-Jun-11	08-Mar-12	191	29
HHA-3C001F	C-101 Retrieval Startup and Readiness	70	70	12-Jan-12	19-Apr-12	191	29
HHA-3C001G	C-101 Retrieval Operations (MS)	84	84	20-Apr-12	17-Aug-12	191	29
HHA-3C001M1	C-101 Sample for Hard Heel Removal Decision	107	107	01-Oct-12	06-Mar-13	162	0
HHA-3C001R	C-101 Hard Heel Rmvl Procurement	125	125	02-May-13	28-Oct-13	162	0
HHA-3C001T	C-101 Hard Heel Rmvl Design & Engineering Support	195	195	07-Mar-13	11-Dec-13	162	0
HHA-3C001S	C-101 Hard Heel Rmvl Installation	70	70	03-Sep-13	11-Dec-13	162	0
HHA-3C001M	C-101 Hard Heel Rmvl Operations	40	40	12-Dec-13	10-Feb-14	162	0
5.02.02.06.02	**C-102 Retrieval**	**924**	**870**	**07-Dec-10 A**	**05-Sep-14**	**17**	**0**
HHA-1C002B	C-102 Retrieval Design	108	84	07-Dec-10 A	25-Jul-11	62	0
HHA-1C002E1	C-102 Retrieval System Installation - Bid/Award Contract	60	60	03-Oct-11	29-Dec-11	14	0
HHA-1C002C1	C-102 Retrieval Procurement - Bid/Award Purchase Orders	40	40	06-Mar-12	30-Apr-12	14	0
HHA-1C002C	C-102 Retrieval Procurement	80	80	01-May-12	22-Aug-12	14	0
HHA-1C002E	C-102 Retrieval System Installation	185	185	30-Dec-11	20-Sep-12	14	0
HHA-1C002F	C-102 Retrieval Startup and Readiness	70	70	26-Jul-12	01-Nov-12	14	0
HHA-1C002G	C-102 Retrieval Operations (MS)	170	170	02-Nov-12	20-Apr-13	24	0
HHA-1C002R	C-102 Sample for HHR Decision	113	113	22-Apr-13	30-Sep-13	17	0
HHA-1C002J	C-102 Hard Heel Rmvl Procurement	125	125	26-Nov-13	28-May-14	17	0
HHA-1C002H	C-102 Hard Heel Rmvl Design & Engineering Support	195	195	01-Oct-13	10-Jul-14	17	0
HHA-1C002K	C-102 Hard Heel Rmvl Installation	70	70	02-Apr-14	10-Jul-14	17	0
HHA-1C002M	C-102 Hard Heel Rmvl Operations	40	40	11-Jul-14	05-Sep-14	17	0
5.02.02.06.04	**C-104 Retrieval**	**901**	**421**	**11 Feb 09 A**	**23 Nov 12**	**2312**	**2**
5.02.02.06.04	C-104 Retrieval Start-up/Testing Support	44	0	11-Feb-09 A	08-Jan-10 A		0
5.02.02.06.04...	C-104 Retrieval Operations to 25%	20	0	08-Jan-10 A	18-Feb-10 A		0
5.02.02.06.04...	C-104 Acceleration Tank Retrieval Ops (Supplemental)	27	0	18-Feb-10 A	03-Mar-10 A		0



Actual Work | Critical Remain Work | Baseline Act
Remain Work | Milestone | Baseline Milestone

C-Farm Retrieval Critical Path
Current Schedule
March 2011

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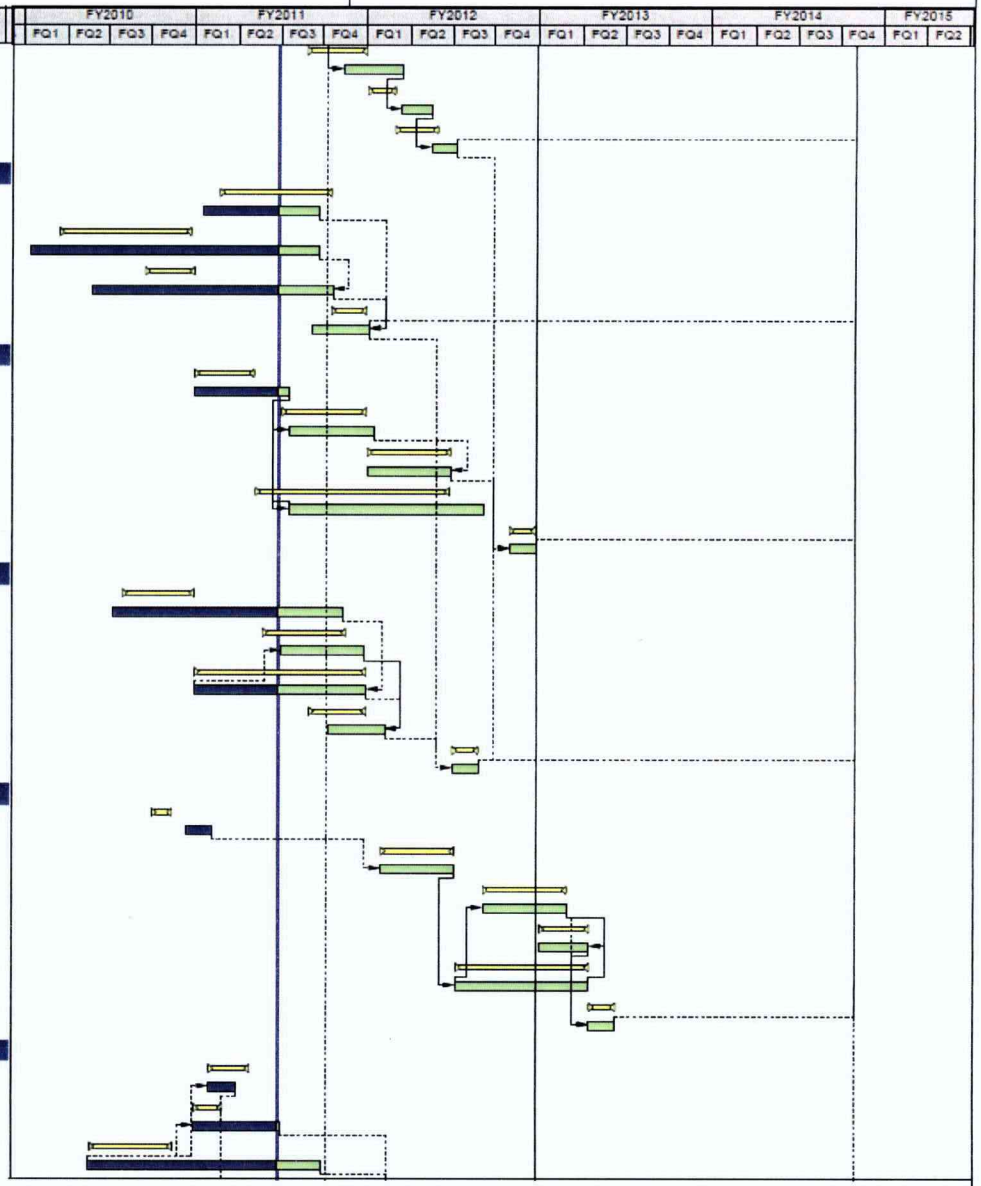
TASK filter: C Farm Critical Path

Out Year Planning Estimate Range...

C-Farm Critical Path by WBS

Data Date 28-Mar-11

Activity ID	Activity Name	Orig Dur	Rem Dur	Current Start	Current Finish	Total Float	Chg Since Last Month
HHA-3C007G	C-107 Bulk Retrieval Operations (MARS)	128	128	11-Aug-11	16-Dec-11	487	0
HHA-3C007H	C-107 Hard Heel Retrieval Evaluations and Readiness	42	42	15-Dec-11	15-Feb-12	334	0
HHA-3C007M	C-107 Hard Heel Rmvl Operations	53	53	16-Feb-12	08-Apr-12	483	37
5.02.02.06.08	**C-108 Retrieval**	**455**	**135**	**12-Oct-09 A**	**05-Oct-11**	**360**	**0**
HHA-1C008K1	C-108 Repairs to POR-104 Valve Box	137	62	18-Oct-10 A	22-Jun-11	433	-2
HHA-1C008H	C-108 Hard Heel Rmvl Design & Engineering Support	195	62	12-Oct-09 A	22-Jun-11	433	-17
HHA-1C008K	C-108 Hard Heel Rmvl Installation	163	81	22-Feb-10 A	20-Jul-11	414	4
HHA-1C008M	C-108 Hard Heel Rmvl Operations	84	84	06-Jun-11*	05-Oct-11	360	0
5.02.02.06.09	**C-109 Retrieval**	**485**	**381**	**01-Oct-10 A**	**26-Sep-12**	**344**	**0**
HHA-1C009R01	C-109 Sample for HHR Decision	86	17	01-Oct-10 A	19-Apr-11	422	-20
HHA-1C009J	C-109 Hard Heel Rmvl Procurement	126	126	20-Apr-11*	17-Oct-11	422	-11
HHA-1C009K	C-109 Hard Heel Rmvl Installation	122	122	03-Oct-11*	28-Mar-12	341	0
HHA-1C009H	C-109 Hard Heel Rmvl Design & Engineering Support	286	286	20-Apr-11	06-Jun-12	422	-20
HHA-1C009M	C-109 Hard Heel Rmvl Operations	40	40	01-Aug-12*	26-Sep-12	254	0
5.02.02.06.10	**C-110 Retrieval**	**523**	**296**	**12-Apr-10 A**	**25-May-12**	**269**	**0**
HHA-1C010R	C-110 Sample for HHR Decision	363	98	12-Apr-10 A	12-Aug-11	403	0
HHA-1C010J	C-110 Hard Heel Rmvl Procurement	126	126	04-Apr-11	29-Sep-11	364	0
HHA-1C010H	C-110 Hard Heel Rmvl Design & Engineering Support	252	132	01-Oct-10 A	30-Sep-11	369	0
HHA-1C010K	C-110 Hard Heel Rmvl Installation	86	86	13-Jul-11*	10-Nov-11	364	0
HHA-1C010M	C-110 Hard Heel Rmvl Operations	40	40	02-Apr-12*	25-May-12	269	0
5.02.02.06.11	**C-111 Retrieval**	**601**	**342**	**13-Sep-10 A**	**14-Mar-13**	**267**	**0**
HHA-1C011G	C-111 Retrieval Operations (MS)	31	0	13-Sep-10 A	05-Nov-10 A		0
HHA-1C011R	C-111 Sample for HHR Decision	107	107	02-Nov-11*	06-Apr-12	267	0
HHA-1C011J	C-111 Hard Heel Rmvl Procurement	125	125	05-Jun-12	30-Nov-12	267	0
HHA-1C011K	C-111 Hard Heel Rmvl Installation	70	70	04-Oct-12	16-Jan-13	267	0
HHA-1C011H	C-111 Hard Heel Rmvl Design & Engineering Support	195	195	09-Apr-12	16-Jan-13	267	0
HHA-1C011M	C-111 Hard Heel Rmvl Operations	40	40	17-Jan-13	14-Mar-13	267	0
5.02.02.06.12	**C-112 Retrieval**	**917**	**641**	**18-Feb-10 A**	**08-Oct-13**	**246**	**0**
HHA-1C012E1	C-112 Retrieval System Installation - Bid/Award Contract	60	0	01-Nov-10 A	29-Dec-10 A		0
HHA-1C012C1	C-112 Retrieval Procurement - Bid/Award Purchase Orders	30	5	01-Oct-10 A	01-Apr-11	188	-16
HHA-1C012B	C-112 Retrieval Design	125	68	18-Feb-10 A	30-Jun-11	125	-74



Actual Work | Critical Remain Work | Baseline Act

Remain Work | Milestone | Baseline Milestone

C-Farm Retrieval Critical Path
Current Schedule
March 2011

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TASK filter: C-Farm - Critical Path.

Tank Retrievals with Individual Milestones

Tank 241-S-102

M-045-15, Interim Completion of Tank S-102 SST Waste Retrieval and Closure Demonstration Project, Due: 6/30/11 Status: At Risk. See discussion below under "Issues". Change Request M-45-07-01 approved by DOE and Ecology on December 4, 2007.

M-045-15A, Embedded Milestone, Submit a Retrieval Data Report Pursuant to Agreement Appendix I, Due: 6/30/11, Status: At risk. See discussion below under "Issues".

M-045-15B, Embedded Milestone, Remaining Wastes have been adequately Characterized, and a Risk Assessment has been completed for residuals that remain in the tank, Due: 6/30/11, Status: At risk. See discussion below under "Issues".

M-045-15C, Embedded Milestone, An update to the S-102 Component Closure Activity Plan has been submitted by DOE, Due: 6/30/11, Status: At risk. See discussion below under "Issues".

M-045-15D, Embedded Milestone, if appropriate, DOE has requested an exception to waste retrieval criteria pursuant to Agreement Appendix H, Due: 6/30/11, Status: At risk.

Significant Past Accomplishments:

None

Significant Planned Activities in the Next Six Months:

None

Issues:

- Tank S-102 retrieval by June 30, 2011 is at risk. It is technically imprudent to attempt to accelerate retrieval of S-102, at this time, because of the rheological nature of the waste.

- ORP submitted TPA Change Package M-45-11-03 signed 03/30/11 to Ecology for proposal of substitution of tank 241-S-102 to tank 241-A-103 with closure of tank 241-S-102 under M-045-85 and 241-A-103 closure to be determined in accordance with milestone M-045-84. After 14 days Ecology neither approved nor disapproved the M-45-11-03 Change Package, but provided comments and changes. The M-45-11-03 is considered denied. After internal review of Ecology's comments and changes, a follow-up, signed Change Package M-45-11-04 and unsigned draft AIP was submitted by ORP to Ecology on 04/18/11. Ecology signed M-45-11-04 on 04/19/11. Changes from this change package will be reflected in next month's report.

242-A Evaporator Status (previously reported under Milestone M-48, which has been closed out)

242-A Campaign strategy:

One (1) cold run (utilizing water only) and two (2) waste processing campaigns were completed in FY2010. No additional campaigns are anticipated in CY2011 due to ongoing 242-A and Tank Farm Life Extension and ARRA funded facility upgrades. The 242-A Campaign Strategy for FY2010 through FY2015 depicted below has been updated based on ORP-11242, River Protection Project Plan, Revision 5, and ongoing schedule integration efforts.

Fiscal Year	Campaign No.	Feed Source	Slurry Tank	Comments
FY10	10-01	AW-106	AW-106	Campaigns 10-01/10-02 were performed back-to back starting in late August and completing in early October 2010. Campaign 10-02 was an acceleration of previously planned Campaign 11-01.
FY10	10-02	AW-106	AW-106	
FY11	NA	NA	NA	No campaign planned in FY11 due to ongoing 242-A and Tank Farm facility life extension and ARRA funded upgrades.
FY12	12-01	AP-107 AZ-102	AP-104 AP-107	Estimated start June 2012. Anticipates blending AZ-102 high cesium concentration with AP-107 waste. May require two (2) passes to achieve waste volume reduction.
FY12	12-02	AP-107 AZ-102	AP-107	Estimated start August 2012. Anticipates blending AZ-102 high cesium concentration with AP-107 waste. May require two (2) passes to achieve waste volume reduction.
FY13	13-01	AW-106	AP-107	Estimated start March 2013. Two (2) passes required.
FY13	13-02	AZ-101 AN-101 AW-106	AP-107	Estimated start September 2013. Two (2) passes required.
FY14	14-01	AN-106 AZ-102 AW-106	AP-107	Estimated start March 2014. Two (2) passes required.
FY15	15-01	AY-101 AZ-102	AP-107	Estimated start March 2015. Three (3) passes required.
FY15	15-02	AY-101	AP-107	Estimated start August 2015. Four (4) passes required.

M-045-91F-T03, Provide to Ecology, as a HFFACO secondary document a report assessing the feasibility of testing for ionic conductivity between the inside and outside of SSTs, Due: 5/31/2013, Status: On Schedule

M-045-91F-T04, provide to Ecology, as a HFFACO secondary document, a report on the 100-series single-shell tanks which have been or will be identified as having leaked in RPP-32681, Rev 0, Due: 7/31/2013, Status: On Schedule. Ecology and ORP are jointly drafting a Class III Change Request, M-45-11-01, aligning the completion dates of this milestone and M-045-91F-T02 ("Common Factors of Liner Failures for SSTs" report) to ensure all of this milestone's leak evaluations will be available for use in the Common Factors report.

M-045-91E, Provide to Ecology a compilation of the Single-Shell Tank farms dome deflection surveys every two years, beginning 9/30/2013, Due: 9/30/2013, Status: On Schedule

M-045-91G-T04, provide to Ecology the Structural Analyses of Record final documentation for SSTs for 55,000 gallon tanks (B, C, T and U Farms), Due: 10/31/2013, Status: On Schedule

M-045-91F, Provide to Ecology a report (Summary Conclusions Report on Leak Integrity) summarizing and evaluating the information submitted under M-045-91F-T01 through -T04, Due: 12/31/2013, Status: On Schedule

M-045-91G, Provide a Summary Conclusions Report of Structural Analysis of Record (AOR) for SSTs, Due: 4/30/2014, Status: On Schedule

M-045-91B-T01, Provide Ecology a report containing the results and interpretation of testing. and analysis, performed on the concrete core obtained from Tank A- 106 or alternate tank, Due: 9/30/2014, Status: On Schedule

M-045-91H, Submit a change package (if deemed necessary by DOE and Ecology) to establish additional milestones based on information obtained from the actions in the preceding M-045-91 series milestones to date, Due: 7/31/2015, Status: On Schedule

M-045-91I, Provide to Ecology an IQRPE certification of SSTs structural integrity for the remainder of the mission, or for such time as the IQRPE believes he/she can reasonably certify, Due: 9/30/2018, Status: On Schedule

Significant Past Accomplishments:

- M-045-91G-T05: Complete 03/11/11 (Letter 11-TF-039)

Significant Planned Actions in the Next Six Months:

- M-045-91B: Draft DQO report sent to Ecology 04/11/20. One additional meeting in May planned. SAP is planned to be submitted to Ecology 07/2011. Due 12/30/11.
- Complete milestone M-045-91D, analytical test plan for Tank C-107 dome core analyses efforts. Draft planned to be submitted to Ecology in April. Due: 03/31/2012.

Interim Stabilization Consent Decree

I. Near-Term Deliverables:

D-001-00, Complete Interim Stabilization of all 29 SSTs

Due: 09/30/04
Status: Completed on March 31, 2004, with discontinuation of pumping in U-108 and subsequent consultation with Ecology staff. Interim stabilization of S-102 and S-112 is held in abeyance by third amendment to the Consent Decree. ORP's obligation to interim stabilize S-112 was satisfied upon completion of retrieval operations. Retrieval of S-102 has been impacted by the spill at this tank. A review of the January 25, 2010, video of the tank has shown approximately 2,400 gallons of supernatant liquid remaining. This is below the criteria for interim stabilization of less than 5000 gallons supernatant liquid.

On October 21, 2010, ORP received a letter from Ecology notifying ORP of Ecology's decision to require ORP to Interim Stabilize tank 241-S-102 within 18 months of receipt of its notification. ORP transmitted the required documentation to Ecology to demonstrate that tank 241-S-102 meets the requirements for interim stabilization, as set forth in Case Number CT-99-5076, Third Amendment on December 9, 2010 via letter 10-TPD-163.

On March 8, 2011, the Interim Stabilization Consent Decree was terminated.

II. Significant Accomplishments:

- Termination papers signed by court on 03/08/2011. This closes out the D-001-00 milestone series.

III. Significant Planned Actions in the Next 6 Months:

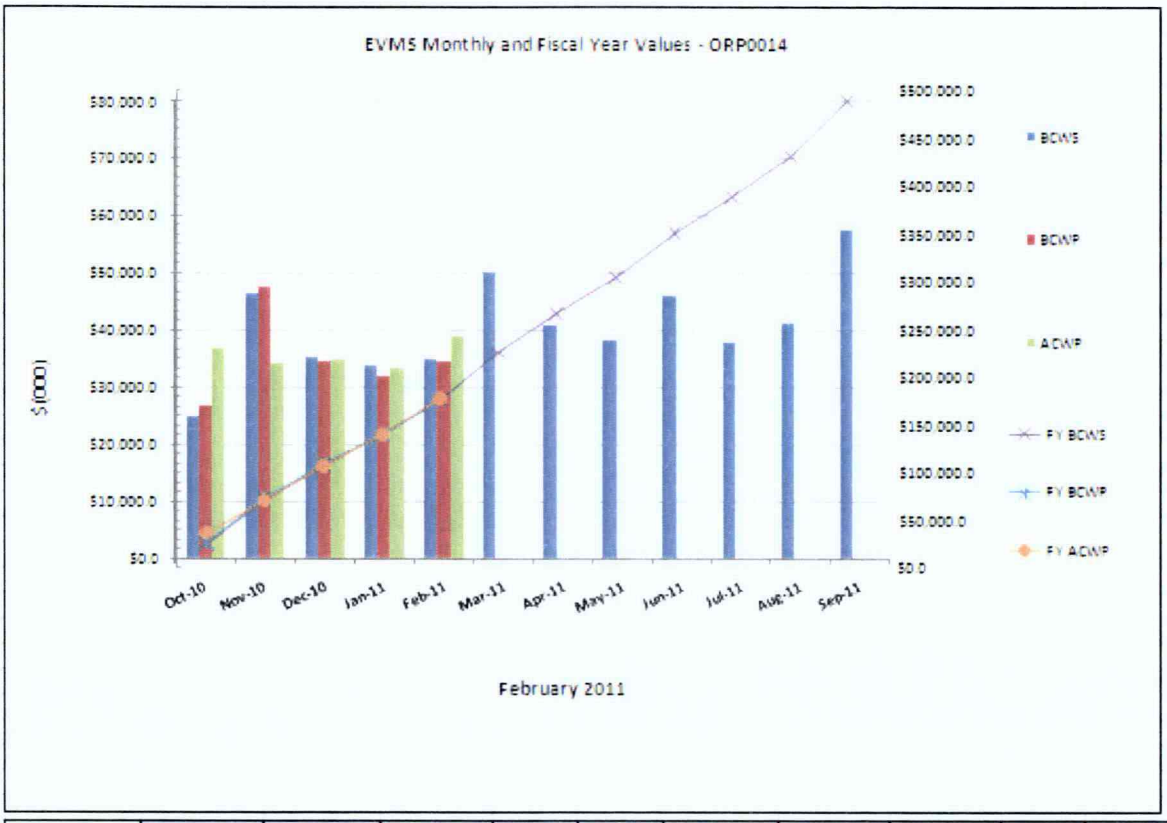
- None

IV. Issues

- None

TANK OPERATIONS CONTRACT (TOC) OVERVIEW

Office River Protection – Tank Farm – Fiscal Year To-Date Performance



Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct-10	$24,918.8	$26,782.0	$37,083.6	1.07	0.72	$24,918.8	$26,782.0	$37,083.6	1.07	0.72
Nov-10	$46,528.0	$47,510.9	$34,301.0	1.02	1.39	$71,446.8	$74,292.9	$71,384.5	1.04	1.04
Dec-10	$35,469.5	$34,558.3	$35,056.5	0.97	0.99	$106,916.3	$108,851.1	$106,441.0	1.02	1.02
Jan-11	$33,862.5	$32,115.2	$33,376.8	0.95	0.96	$140,778.8	$140,966.4	$139,817.8	1.01	1.00
Feb-11	$35,157.1	$34,800.5	$39,288.6	0.98	0.88	$175,935.9	$175,766.8	$179,106.4	0.99	0.98
Mar-11	$50,218.9					$226,154.8				
Apr-11	$40,824.6					$266,979.4				
May-11	$38,352.8					$305,332.2				
Jun-11	$46,207.5					$351,539.7				
Jul-11	$38,125.9					$389,665.6				
Aug-11	$41,389.0					$431,054.6				
Sep-11	$57,715.5					$488,770.1				

CTD	$935,991.5	$929,000.6	$871,229.3	0.99	1.07

The unfavorable current month (CM) schedule variance (SV) of ($1,747k) is driven by the following projects:

CLIN 1 – Base Operation, $(1,507k)

- 222-S Lab Reliability Upgrades for room and waste renovations
- 222-S Lab Mobile Office replacement

- Design delays of jumper fabrication and line installation
- Design delays for the AW Trailer Complex
- Remove Obsolete Equipment delays

CLIN 2 - Retrieval and Closure SST's, ($4,783k)

- C-108 Retrieval due to delays in hard heel removal
- C-104 Retrieval pumping delays due to obstruction
- SX Farm Infrastructure Sludge Cooler Removal
- C-109 hard heel removal samples delayed due to weather
- C-105 defer scope / resources to C-107 MARS sluicing equipment

The favorable contract to date (CTD) cost variance (CV) of $62,259 is due to the following projects:

CLIN 1 - Base Operations, $30,068

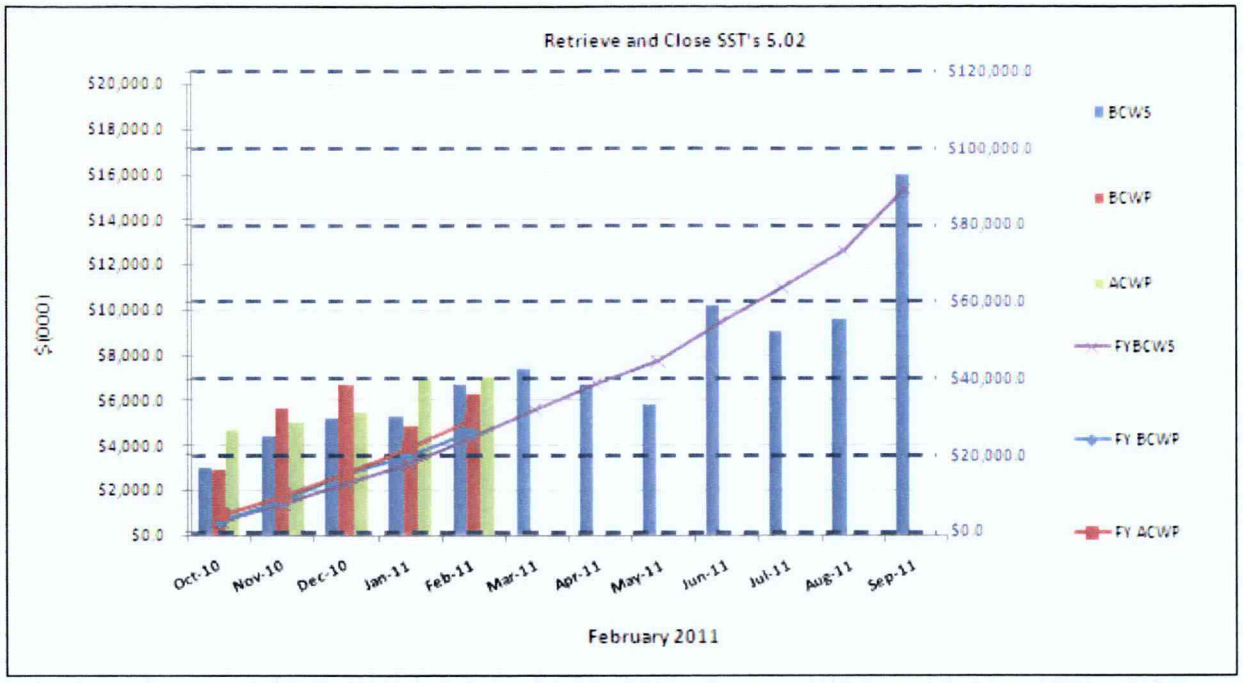
- Facility and Property Management FY09 unfilled positions and slow ramp-up
- 222-S Roof Replacement costs less than originally planned
- Information Resource Management costs due to lower material expenditures as the result of receiving items from Yucca Mountain at a savings
- DST Integrity Project due to cost efficiencies on encasement pressure checks and labor efficiencies during AW-101, AW-104, AW-105 and AW-106 UT examinations
- Fabrication of jumpers for AP, AN-1 and AN-B Valve pits savings

CLIN 2 - Retrieval and Closure, $9,698

- Hose in Hose Transfer Line disposition efficiencies
- C-110 Retrieval and Catch Tank Reporting efficiencies
- Catch Tank & Pipeline Reporting due to efficiencies gained by using direct labor rather than contract labor

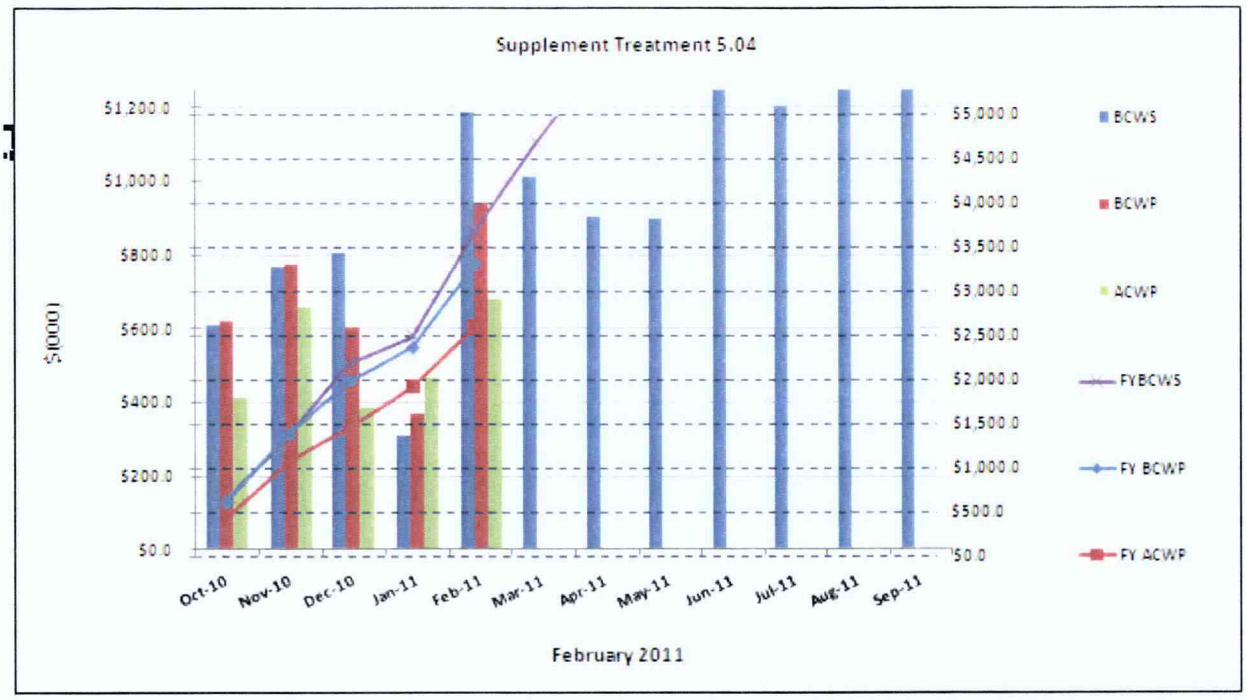
WFD/Treatment PLNG/DST Retrieval/Closure, $21,964k

- Wiped Film Evaporator decreased procurement cost savings
- Waste Feed Delivery flow sheet due to lack of contract support and hiring delays
- AW Cob Isolation efficiencies gained by awarding to an experienced contractor and requiring fewer resources than planned



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FYBCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct-10	$2,991.6	$2,932.6	$4,707.6	0.98	0.62	$2,991.6	$2,932.6	$4,707.6	0.98	0.62
Nov-10	$4,412.7	$5,622.7	$5,006.7	1.27	1.12	$7,404.3	$8,555.3	$9,714.3	1.16	0.88
Dec-10	$5,209.7	$6,682.7	$5,494.0	1.28	1.22	$12,614.0	$15,238.0	$15,208.3	1.21	1.00
Jan-11	$5,310.0	$4,820.2	$6,975.6	0.91	0.69	$17,924.0	$20,058.2	$22,183.9	1.12	0.90
Feb-11	$6,670.0	$6,253.2	$7,006.6	0.94	0.89	$24,594.0	$26,311.4	$29,190.5	1.07	0.90
Mar-11	$7,379.3					$31,973.3				
Apr-11	$6,709.5					$38,682.8				
May-11	$5,854.3					$44,537.1				
Jun-11	$10,202.7					$54,739.8				
Jul-11	$9,031.9					$63,771.7				
Aug-11	$9,630.5					$73,402.2				
Sep-11	$16,001.6					$89,403.8				

CTD	$185,864.0	$180,664.6	$171,719.6	0.97	1.05



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FYBCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct-10	$610.0	$619.9	$412.6	1.02	1.50	$610.0	$619.9	$412.6	1.02	1.50
Nov-10	$768.6	$773.1	$657.3	1.01	1.18	$1,378.6	$1,393.0	$1,069.9	1.01	1.30
Dec-10	$807.0	$602.2	$384.2	0.75	1.57	$2,185.6	$1,995.2	$1,454.1	0.91	1.37
Jan-11	$309.8	$368.0	$470.6	1.19	0.78	$2,495.4	$2,363.2	$1,924.7	0.95	1.23
Feb-11	$1,186.8	$941.8	$680.9	0.79	1.38	$3,682.2	$3,305.0	$2,605.6	0.90	1.27
Mar-11	$1,013.9					$4,696.1				
Apr-11	$901.6					$5,597.7				
May-11	$897.5					$6,495.2				
Jun-11	$1,251.4					$7,746.6				
Jul-11	$1,205.8					$8,952.4				
Aug-11	$1,385.8					$10,338.2				
Sep-11	$1,700.7					$12,038.9				

CTD	$6,573.8	$6,196.6	$5,406.8	0.94	1.15

Supplemental Treatment and Part B Permit Applications

M-062-30, Complete negotiations establishing milestones for near term actions, Due: 10/25/11, Status: On schedule. Draft agreement in principle (AIP) provided by ORP to Ecology on April 8, 2011. Milestone negotiations are not yet underway. See "Issues" below for further discussion.

M-062-45ZZ, Negotiate a one-time supplemental treatment selection, Due: 4/30/2015, Status: On schedule. Negotiations are not yet underway. See "Issues" below for further discussion.

M-062-45ZZ-A, Convert M-062-31-T01 through M-062-34-T01 to Interim Milestones, Due: 4/30/2015, Status: On Schedule.

M-062-31-T01, Complete final design and submit RCRA Part B permit mod request, Due: 4/30/2016, Status: On schedule

M-062-32-T01, Start construction of supplemental vitrification treatment facility and/or WTP enhancements, Due: 4/30/2018, Status: On schedule

M-062-33-T01, Complete construction of supplemental vitrification treatment facility and/or WTP enhancements, Due: 4/30/2021, Status: On schedule

M-062-45XX, No later than 12/31/2021, the DOE and Ecology shall complete negotiations to establish a mechanism that will apply to resolve future disputes regarding the determinations in M-062-45, paragraphs 4 and 5, due: 12/31/2021, Status: On Schedule

M-062-34-T01, Complete hot commissioning of supplemental vitrification treatment facility and/or WTP enhancements, Due: 12/30/2022, Status: On schedule

M-062-21, Annually, submit data that demonstrates operation of the WTP, Due: 2/28/2023, Status: On Schedule

M-062-00, Complete Pretreatment Processing and Vitrification of HLW and LAW Tank Wastes, Due: 12/31/2047, Status: On Schedule

Significant Past Accomplishments:

- Draft agreement in principle (AIP) provided by ORP to Ecology on April 8, 2011.

Significant Planned Actions in the Next Six Months:

- ORP and Ecology negotiate Agreement in Principle for M-62-30 negotiations in the next 30 days.

Issues:

System Plan

M-062-40B, Submit a system plan describing the disposition of all tank waste managed by ORP, Due: 10/31/2011, Status: On Schedule

M-062-40C, Select a minimum of three scenarios that will be analyzed in the system plan, Due: 10/31/2013, Status: On Schedule

M-062-40D, Submit a system plan describing the disposition of all tank waste managed by ORP, Due: 10/31/2014, Status: On Schedule

M-062-40ZZ, Submit a one-time Tank Waste Supplemental Treatment Technologies report if a supplemental treatment technology is proposed other than a 2nd LAW, Due: 10/31/2014, Status: On Schedule.

M-062-45-T01, Every six years, within six-months after last revision of the System Plan, negotiate tank waste retrieval sequencing, Due: 4/30/2015, Status: On Schedule

Significant Past Accomplishments:

Modeling and result verification for Scenario 1: Baseline Case, Scenario 2: TRU to WTP and Scenario 4: WTP Delay with 10% increased Vitrification were completed during March 2011. Results of the Baseline Case were reviewed with OPR and Ecology on March 21, 2011. Modeling was started or nearly completed for Scenario 6: WTP Delay w/8 new DSTs, Scenario 9: Early U Farm Retrieval, Scenario 10: Increased SST Retrieval Duration and Scenario 5: 2020 Vision.

Significant Planned Actions in the Next Six Months:

Work on System Plan Rev. 6 supporting M-062-40B during the next six months will include the following activities: Complete HTWOS modeling, V&V and data analysis and perform periodic reviews with ORP and Ecology. The reviews will include reviews of the model results as well as 50% and 90% reviews of the System Plan report.

Issues:

None

Pretreatment (PT) Facility

Significant Past Accomplishments:

The PT Facility will separate radioactive tank waste into High Level Waste (HLW) and Low-Activity Waste (LAW) fractions and transfer each waste type to the respective vitrification facility for immobilization. Through March 2011, overall facility percent complete is 46%, engineering is 77% complete, procurement is 42% complete, and construction is 34% complete.

In March, overall construction continues to perform well. Rebar and embed installation and fabrication of rebar wall curtains continues to support additional slab and wall placements at the 56ft to 98ft elevations. Construction completions for March include: placement of two 5th lift (77ft to 98ft elevation) walls for 247 CY.

On-going work includes: erection on the 4th tier structural steel on the northwest corner of the 77ft elevation; fabrication of piping modules; and installation of drain piping, service air piping, cable trays and supports, and ductwork.

Engineering continues to implement changes from the technical issue resolutions into Piping and Instrumentation Design (P&ID) and piping isometric drawings. PT engineering issued over 500 piping isometric drawings, two P&IDs for the Cesium Nitric Acid Recovery Process (CNP) system, and ten P&IDs for Plant Service Air (PSA) system racks associated with the Feed Evaporator Process (FEP) system. Analysis and design was completed for HLW Lag Storage and Feed Blending Process vessel HLP-22, and the Preliminary Coupled Dynamic Analysis for the Waste Feed (FEP) and Treated Law (TLP) evaporators was also completed – meeting two Contract fee milestones.

Material requisitions were issued for 4 Autosamplers and one mechanical agitator for a Cesium Resin Addition Process (CRP) system vessel. In addition, fabrication was completed on eight chilled water pumps, which were released to ship.

Significant Planned Actions in the Next Six Months:

- Complete analytical results from the Low Order Accumulation Model (LOAM) validation testing for the non-Newtonian vessel configuration
- Complete planning for the Large Scale testing for the validation of vessel mixing Scale-up
- Issue the revised design option and P&ID's for the Pretreatment Vessel Vent Process (PVP) system and the Process Vessel Vent (PVV) system
- Complete fabrication of four major Jumper frames
- Complete placement of one 56-ft elevation slab, completion of the basemat slab, three 4th lift (56ft to 77ft) walls, twenty-nine 5th lift walls, and initial placements of the Control Building slab, totaling approximately 5,200 CY
- Erection of 4th tier structural steel (77ft to 98ft elevation)
- Award contract for High Efficiency Mist Eliminator (HEME)
- Award contract for on-site vessel modifications
- Obtain Ecology authorization to proceed with the vessel alteration for Waste Feed Receipt Process (FRP) vessels 2A/B/C/D

High-Level Waste (HLW) Facility

Significant Past Accomplishments:

BNI Engineering completed the Civil, Structural, and Architectural (CSA) Title II Design Complete Contract Milestone on February 17, 2011. This represents a definitive stage of design completion, signifying adequate maturity to support the specification, bidding, and procurement of all remaining CSA components. DOE-WTP reviewed the CSA design completion deliverables in accordance with the contract, and formally concurred on March 15, 2011.

The majority of HLW Filter Cave activities have transitioned from procurement to the installation phase. Installation of the C5V supply header is complete, and efforts continue on the exhaust header and vertical riser. Additional activities include the installation of support steel to the +8ft elevation and staging of large-bore piping by direct-hire craft. Installation of steel and piping will continue to the +14ft elevation to coordinate with upcoming filter housing installations.

The first C5V filter housing is currently planned for installation in mid-June. Filter housings and dampers will be installed sequentially starting from the outermost units and working in towards the center of the Filter Cave. All of the housing and remote-operated damper installations are to be completed late November to early December 2011. The remaining piping and installation of plate steel decking will be completed in early April 2012.

Significant Planned Actions in the Next Six Months:

- Receive Initial Delivery of C5V HEPA Filter Housings
- Receive Canister Decontamination Vessels and Canister Rinse Vessel
- Set Shielded Personnel Access Door RWH-DOOR-20 in the Waste Drum Swabbing and Monitoring Area
- Complete Fabrication and Delivery of C5V Dampers
- Commence Siding and Roofing of Annex

Issues:

The limited number of pre-qualified ASME NQA-1 vendors and suppliers continues to cause difficulties in procuring nuclear-grade quality (i.e., "Q") instruments, components, and vessels. Delays to key Q deliveries have recently been experienced because of material supply issues that require special mill runs to resolve, Commercial-Grade-Dedication (CGD) implementation issues, and difficulties developing the commercial (CM) vendor quality programs to NQA-1 standards. These delays are requiring increased management focus and attention to maintain schedule. These delays have not yet affected the HLW critical path but the re-sequencing of work activities to coordinate with later-than-expected deliveries has negatively impacted performance and efficiency.

The fabrication and delivery of HLW vessels is also being monitored closely. Vessel status and progress is reported weekly to ensure completion and delivery prior to the scheduled installation dates.

primary offgas process and radioactive liquid waste disposal systems. Drafting of the LAW training manual continued.

Significant Planned Actions in the Next Six Months:

- Complete installation of LAW personnel elevator
- Complete vendor fabrication of the Carbon Bed Adsorber (CBA)

Issues:

No major issues.

The Laboratory and Remotability teams participated in several teleconferences with the Equipment & Mechanical Handling Lead to provide background and Operations status on the LAB RLD C5 Valve Pit valve testing. Shop testing revealed several items that need to be modified for remote operations.

Significant Planned Actions in the Next Six Months:

- Install LAB waste drum bogie shield door
- Complete LAB C5 ventilation filter room ceiling design

Issues:

No major issues.

Waste Treatment Plant Project - Percent Complete Status

Through February 2011

(Dollars - Millions)	Overall Facility Percent Complete Unallocated Dollars			Design/Engineering Unallocated Dollars			Procurement Unallocated Dollars			Construction Unallocated Dollars		
Facilities	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete
Low-Activity Waste	935.2	601.2	64%	222.5	198.7	89%	229.3	190.1	83%	335.3	206.3	62%
Analytical Lab	340.6	157.6	46%	52.2	41.8	80%	55.9	41.3	74%	97.3	63.0	65%
Balance of Facilities	523.4	241.2	46%	77.2	59.3	77%	81.2	37.3	46%	228.8	136.3	60%
High-Level Waste	1,451.2	754.0	52%	332.5	285.8	86%	450.6	285.6	63%	550.3	178.6	32%
Pretreatment	2,454.6	1,131.1	46%	669.5	518.5	77%	710.9	301.5	42%	891.6	305.4	34%
Shared Services	4,787.2	3,145.8	66%	1,101.9	866.8	79%	467.2	338.5	72%	1,418.3	994.0	70%
Total WTP w/o UB	**10,492.3**	**6,031.0**	**57%**	**2,455.9**	**1,970.8**	**80%**	**1,995.2**	**1,194.3**	**60%**	**3,521.6**	**1,883.6**	**53%**
Undistributed Budget	5.8	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total WTP	**10,498.1**	**6,031.0**	**57%**	**2,455.9**	**1,970.8**	**80%**	**1,995.2**	**1,194.3**	**60%**	**3,521.6**	**1,883.6**	**53%**

Source: WTP Contract Performance Report - Format 1, Data for February 2011

Note: Starting with the June 2009 report, facility Construction percent complete values decreased significantly, and a couple of Design/Engineering facility percent complete values went down as well. The decrease in values was tied to Phase I of BNI's elimination of WBS 1.08, Plant Wide EPCC; scope from WBS 1.08 was moved to facilities as appropriate or to WBS 1.90, Shared Services. This resulted in an increase in the facility construction budgets, which has correspondingly reduced the to-date percent complete values. In July 2010 the allocation of 1.90 to the facilities was removed to show true facility percent complete.

FINAL

Office of River Protection

Consent Decree 08-5085-FVS

Project Summary Report

April 26, 2011

Fiscal Year 2011 Consent Decree Milestone Status													
Milestone No.	Description	Due Date	Date Completed	On Schedule	At Risk	Recoverable	To Be Missed	Missed	In Litigation	Deleted	In Program Planning	In Abeyance	Dispute Resolution
D-00A-20	Complete Construction of Structural Steel to Elevation 14' in HLW Facility	12/31/10	01/31/10										
D-00C-01B	Submit to Ecology and Oregon Semi-Annual Report Documenting Progress During Previous 6 Month Period	01/31/11	01/25/11										
D-00C-02D	Submit to Ecology and Oregon Monthly Summary Reports	02/28/11	2/25/11										
D-00C-02E	Submit to Ecology and Oregon Monthly Summary Reports	03/31/11	03/24/11										
D-00C-02F	Submit to Ecology and Oregon Monthly Summary Reports	04/30/11		X									
D-00C-02G	Submit to Ecology and Oregon Monthly Summary Reports	05/31/11		X									
**D-00C-02H	Submit to Ecology and Oregon Monthly Summary Reports	06/30/11		X									
** Future Monthly Reports will be added as necessary to maintain a two-months ahead activity.													

Fiscal Year 2012 Consent Decree Milestone Status

Milestone No.	Description	Due Date	Date Completed	On Schedule	At Risk	Recoverable	To Be Missed	Missed	In Litigation	Deleted	In Program Planning	In Abeyance	Dispute Resolution
D-00C-02L	Submit to Ecology and Oregon Monthly Summary Reports	10/31/11		X									
**D-00C-02M	Submit to Ecology and Oregon Monthly Summary Reports	11/30/11		X									
** Future Monthly Reports will be added as necessary to maintain a two-months ahead activity.													
D-00C-01D	Submit to Ecology and Oregon Semi-Annual Report Documenting Progress During Previous 6 Month Period	01/31/12		X									
D-00C-01E	Submit to Ecology and Oregon Semi-Annual Report Documenting Progress During Previous 6 Month Period	07/31/12		X									

SST Retrieval and Closure Program

D-00B-01, Complete Retrieval of Tank Wastes from 10 Remaining SSTs in WMA-C, Due: 9/30/2014, Status: On Schedule

D-00B-01A thru J, Submit Tank Retrieval Complete Certification, Due: TBD
Pursuant to the requirement at IV(B)(5) of the Consent Decree (CD) DOE must submit to Ecology a written certification that DOE has completed retrieval of a tank in accordance with the requirements of Appendix "C", Part 1, of the CD. Tanks currently in retrieval status are C-108, C-109, C-110, C-104, and C-111.

D-00B-02, Advise Ecology of the 9 SST's from which Waste Will Be Retrieved by 2022, Due: 9/30/2014, Status: On Schedule. ORP and Ecology began meeting on December 13, 2010, to discuss the selection of the next nine tanks to be retrieved and why ORP believes those nine tanks should be in A/AX Farms. The last meeting was held March 9, 2011. Further discussions are being planned. See discussion under "Issues" below.

D-00B-03, Initiate Startup Retrieval in At Least 5 of 9 SSTs in D-00B-02, Due: 12/31/2017, Status: On Schedule

D-00B-04, Complete Retrieval of Tank Wastes from the 9 SSTs in D-00B-02, Due: 9/30/2022, Status: On Schedule

D-00B-04A thru I, Submit Tank Retrieval Complete Certification, Due: TBD

Significant Past Accomplishments:

- Restarted retrieval at C-104 using modified sluicing process.
- Operated hydraulic arm Articulating Mast System (AMS) in C-104 and moved the obstruction underneath slurry pump.
- Continued C-107 electrical upgrades and control trailer installation.
- Continued testing of the MARS sluicing system at Columbia Test Center (CTC) in Richland.
- Continued construction activities for C-108 equipment installation for Hard Heel Removal.
- Initiated design for C-110 Hard Heel Removal process.
- Continued design activities for C-112 sluicing system.
- Continued testing of a MARS sluice educator system at Columbia Energy in Pasco.

Significant Planned Activities in the Next Six Months:

- Complete the C-101 design, initiate long lead procurements and initiate legacy equipment removals.
- Complete C-104 retrieval.
- Obtain C-109 heel samples.

TWRWP Status

Tank	TWRWP	Retrieval Technology	Second Technology	Third Technology
C-101	RPP-22520	MRS (per 10/7/10 agreement, to be Modified Sluicing)	-	-
C-102	RPP-22393	Modified Sluicing	MS-ITV	-
C-103	**RPP-21895**	**Retrieval Completed**		
C-104	RPP-22393	Modified Sluicing	MS-ITV	-
C-105	RPP-22520	MRS	-	-
C-106		**Retrieval Completed**		
C-107	RPP-22393	MARS-S		
C-108	RPP-22393	Modified Sluicing	Chemical Dissolution	MS-ITV
C-109	RPP-21895	Modified Sluicing	MS-ITV	-
C-110	RPP-33116	Modified Sluicing	-	-
C-111	RPP-37739	Modified Sluicing	-	-
C-112	RPP-22393	Modified Sluicing	MS-ITV	-

Issues:

- Ecology requested a schedule for any future TWRWP changes.
- DOE wants to issue a revised Tank Retrieval Technology Roadmap Document and ORP want to resolve 2nd and 3rd technology discussion.
- ORP wants to reopen discussion on end of retrieval discussions that include cost benefit analysis and how the finish of a retrieval decision occurs.

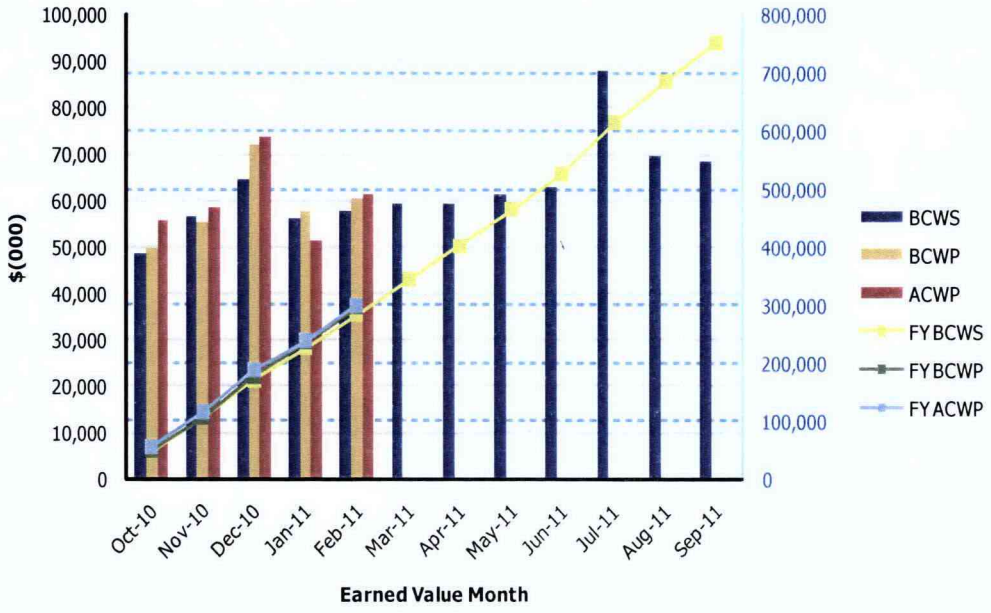
WTP – Fiscal Year To-Date Performance

EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2011 Earned Value Data Data as of: Feb 2011

River Protection
01-D-416 - Waste Treatment Plant (WTP) Project

Monthly EVMS Monthly and Fiscal Year Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2010	$48,551	$49,961	$55,881	1.03	0.89	$48,551	$49,961	$55,881	1.03	0.89
Nov 2010	$56,609	$55,426	$58,449	0.98	0.95	$105,160	$105,387	$114,330	1.00	0.92
Dec 2010	$64,534	$71,853	$73,609	1.11	0.98	$169,694	$177,240	$187,939	1.04	0.94
Jan 2011	$55,989	$57,756	$51,326	1.03	1.13	$225,683	$234,996	$239,265	1.04	0.98
Feb 2011	$57,941	$60,463	$61,199	1.04	0.99	$283,624	$295,459	$300,464	1.04	0.98
Mar 2011	$59,215					$342,839				
Apr 2011	$59,184					$402,023				
May 2011	$61,517					$463,540				
Jun 2011	$62,911					$526,451				
Jul 2011	$87,883					$614,334				
Aug 2011	$69,839					$684,173				
Sep 2011	$68,593					$752,766				
PTD	$6,010,970	$6,031,008	$6,058,494	1.00	1.00					

- Issue the revised design option and P&ID's for the Pretreatment Vessel Vent Process (PVP) system and the Process Vessel Vent (PVV) system
- Complete fabrication of four major Jumper frames
- Complete placement of one 56-ft elevation slab, completion of the basemat slab, three 4th lift (56ft to 77ft) walls, twenty-nine 5th lift walls, and initial placements of the Control Building slab, totaling approximately 5,200 CY
- Erection of 4th tier structural steel (77ft to 98ft elevation)
- Award contract for High Efficiency Mist Eliminator (HEME)
- Award contract for on-site vessel modifications
- Obtain Ecology authorization to proceed with the vessel alteration for Waste Feed Receipt Process (FRP) vessels 2A/B/C/D

Issues:

- Vessel Critical Path: Fabrication of vessel HLP-22 continues to be the critical path for the PT Facility. The fabrication of the vessel is in progress and on track to complete as planned by October 2012. Efforts are also ongoing for the analysis of the on-site vessels in order to support the vessel modifications. The permitting strategy for the on-site vessels to be modified has been developed jointly with Ecology. Initial site work and pre-modification preparation work has begun. Schedules for the vessel modifications and permit needs have been provided to Ecology. The current plan is to award the first set of vessels modifications by May 2011. Permitting strategy for the off-site vessel modifications are under discussions with Ecology for finalizing. Ecology is being briefed routinely on the status of vessel design, fabrication and permitting schedule, due to the critical nature of this activity.
- LOAM Test Results: The physical benchmark testing of the LOAM for application to the 5 non-Newtonian vessels is complete. The results of the testing are being evaluated to determine the validity of LOAM for the 5 non-Newtonian vessels.
- PVP/PVV System Upgrades: The PVP/PVV systems were upgraded from passive to active safety systems to maintain negative pressure during all normal, off-normal and Design Basis Earthquake (DBE) conditions. As part of the changes from the Material-at-Risk (MAR) accident analysis, the postulated aerosol loading was increased by several orders of magnitude. This is affecting PVP/PVVs ability to meet functional requirements during off-normal condition. The WTP path forward is to perform the following evaluation to ensure that the system design meets the functional criteria:
    1. Develop an improved aerosol model based on testing that is more aligned with the physical plant configuration. Preliminary indications are that this would lower the aerosol loading significantly.
    2. Evaluate alternative operating scenarios to reduce aerosol generation.

  Execute performance testing for equipment currently in the system design to determine the full extent of their operating capability.

High-Level Waste (HLW) Facility

BNI Engineering completed the Civil, Structural, and Architectural (CSA) Title II Design Complete Contract Milestone on February 17, 2011. This represents a definitive stage of design completion, signifying adequate maturity to support the specification, bidding, and procurement of all remaining CSA components. DOE-WTP reviewed the CSA design completion deliverables in accordance with the contract, and formally concurred on March 15, 2011.

The majority of HLW Filter Cave activities have transitioned from procurement to the installation phase. Installation of the C5V supply header is complete, and efforts continue on the exhaust header and vertical riser. Additional activities include the installation of support steel to the +8ft elevation and staging of large-bore piping by direct-hire craft. Installation of steel and piping will continue to the +14ft elevation to coordinate with upcoming filter housing installations.

The first C5V filter housing is currently planned for installation in mid-June. Filter housings and dampers will be installed sequentially starting from the outermost units and working in towards the center of the Filter Cave. All of the housing and remote-operated damper installations are to be completed late November to early December 2011. The remaining piping and installation of plate steel decking will be completed in early April 2012.

Significant Planned Actions in the Next Six Months:

- Receive Initial Delivery of C5V HEPA Filter Housings
- Receive Canister Decontamination Vessels and Canister Rinse Vessel
- Set Shielded Personnel Access Door RWH-DOOR-20 in the Waste Drum Swabbing and Monitoring Area
- Complete Fabrication and Delivery of C5V Dampers
- Commence Siding and Roofing of Annex

Issues:

The limited number of pre-qualified ASME NQA-1 vendors and suppliers continues to cause difficulties in procuring nuclear-grade quality (i.e., "Q") instruments, components, and vessels. Delays to key Q deliveries have recently been experienced because of material supply issues that require special mill runs to resolve, Commercial-Grade-Dedication (CGD) implementation issues, and difficulties developing the commercial (CM) vendor quality programs to NQA-1 standards. These delays are requiring increased management focus and attention to maintain schedule. These delays have not yet affected the HLW critical path but the re-sequencing of work activities to coordinate with later-than-expected deliveries has negatively impacted performance and efficiency.

The fabrication and delivery of HLW vessels is also being monitored closely. Vessel status and progress is reported weekly to ensure completion and delivery prior to the scheduled installation dates.

Low-Activity Waste (LAW) Facility

D-00A-07, LAW Facility Construction Substantially Complete, Due: 12/31/2014, Status: On Schedule

D-00A-08, Start LAW Facility Cold Commissioning, Due: 12/31/2018, Status: On Schedule

D-00A-09, LAW Facility Hot Commissioning Complete, Due: 12/31/2019, Status: On Schedule

Significant Past Accomplishments:

The LAW Facility will vitrify low-activity waste from the PT Facility. Waste will be mixed with glass formers, vitrified into glass at an average daily rate of 30 metric tons, and placed in stainless-steel canisters that will be disposed on site in the Integrated Disposal Facility. Overall facility percent complete is 64%, engineering is 89%, procurement is 83%, and construction is 62%.

In December 2010, the facility percent complete values for Design/Engineering and Construction decreased. This decrease in values was tied to the incorporation of the remaining External Flowsheet Review Team (EFRT) Issues. This resulted in an increase in the facility engineering and construction budgets, which has correspondingly reduced the to-date percent complete values.

- Engineering

BNI Engineering issued Controls and Instrumentation (C&I) data sheets for LAW Important-to-Safety (ITS) control valves and regulators and a consumable change-out box data sheet for fire screens. Component Information System (CIS) equipment lists were issued for the LAW High-Pressure Steam (HPS), Low-Pressure Steam (LPS), and Steam Condensate Water (SCW) systems. Engineering also issued control logic diagrams for the LAW Direct Current Electrical (DCE), Low-Voltage Electrical (LVE), Medium-Voltage Electrical (MVE), and Uninterruptible Power Electrical (UPE) systems to support control software development. The LAW melter Equipment Support Handling (LSH) system engineering specification was issued.

- Procurement

LAW secondary offgas treatment systems component procurement activities continued. All major component procurements have been awarded. Vendor design analyses are being performed for the HEPA filter housings, the caustic scrubber, and the thermal catalytic oxidizer/reducer. The carbon bed adsorber and exhausters are being fabricated. Other procurement activities included issuance of a material requisition for the purchase of pressure/differential pressure temperature transmitters.

- Construction

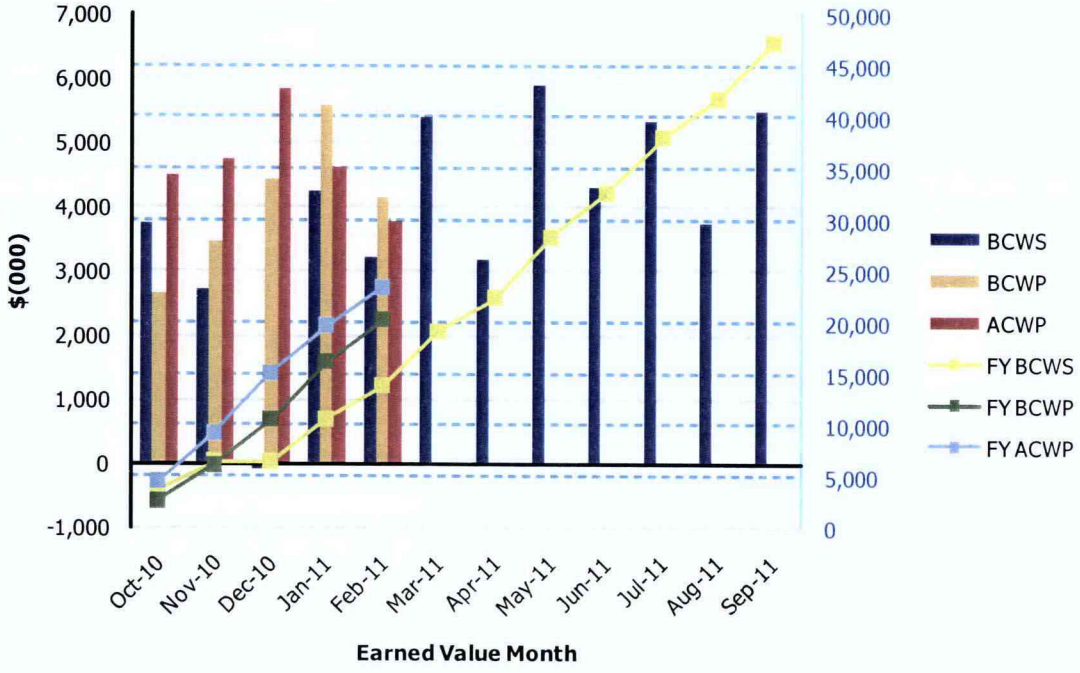
BNI initiated installation of MVE equipment on the ground level of the LAW facility. Thermite welding of rails in the North finishing line continued, as well as installation of the ASX auto-

EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2011 Earned Value Data Data as of: Feb 2011

River Protection
01-D-16A - Low-Activity Waste Facility

Facility Specific (unallocated) Monthly and Fiscal-Year-to-Date (FY-TD) EVMS Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2010	$3,743	$2,654	$4,511	0.71	0.59	$3,743	$2,654	$4,511	0.71	0.59
Nov 2010	$2,732	$3,462	$4,752	1.27	0.73	$6,475	$6,116	$9,263	0.94	0.66
Dec 2010	($84)	$4,424	$5,823	-52.67	0.76	$6,391	$10,540	$15,086	1.65	0.70
Jan 2011	$4,232	$5,597	$4,606	1.32	1.22	$10,623	$16,137	$19,692	1.52	0.82
Feb 2011	$3,222	$4,153	$3,778	1.29	1.10	$13,845	$20,290	$23,470	1.47	0.86
Mar 2011	$5,399					$19,244				
Apr 2011	$3,189					$22,434				
May 2011	$5,899					$28,333				
Jun 2011	$4,318					$32,651				
Jul 2011	$5,351					$38,002				
Aug 2011	$3,761					$41,762				
Sep 2011	$5,498					$47,260				
PTD	$602,315	$601,228	$646,588	1.00	0.93					

DNFSB staff to discuss results of initial DQO development for WTP feed acceptance criteria parameters as described in ICD-19.

The Laboratory and Remotability teams reviewed the locations and orientations of several valves in the Radioactive Liquid Waste Disposal (RLD) system C3 Pump pit and provided Operations input for potential solutions to clear the interference problems identified by Field Engineering.

The Laboratory and Remotability teams participated in several teleconferences with the Equipment & Mechanical Handling Lead to provide background and Operations status on the LAB RLD C5 Valve Pit valve testing. Shop testing revealed several items that need to be modified for remote operations.

Significant Planned Actions in the Next Six Months:

- Install LAB waste drum bogie shield door
- Complete LAB C5 ventilation filter room ceiling design

Issues:

No major issues.

Balance of Facilities (BOF)

D-00A-12, Steam Plant Construction Complete, Due: 12/31/2012, Status: On Schedule

Significant Past Accomplishments:

BOF provides services and utilities to support operation of the main production facilities – PT, HLW, LAW, and LAB. Overall facility percent complete for BOF is 46%, engineering is 77%, procurement is 46%, and construction is 60%.

In December 2010, the facility percent complete values for Design/Engineering and Construction decreased. This decrease in values was tied to the incorporation of the remaining External Flowsheet Review Team (EFRT) Issues. This resulted in an increase in the facility engineering and construction budgets, which has correspondingly reduced the to-date percent complete values.

- Engineering

BNI engineering issued five mechanical systems component lists for the Steam Condensate Water (SCW) system, and completed scoping of SetRoute and TeamWorks for the switchgear building.

- Procurement

BNI procurement issued material requisition to purchase pressure/differential pressure temperature transmitters.

- Construction

BNI construction continued install of Plant Service Air (PSA) line/transport piping at the glass former facility, fire alarm detection equipment, pressure testing piping in the Water Treatment Facility (WTF), and working punchlist items for turnover of the WTF.

- Commissioning

A review was performed of BOF Non-Radioactive Liquid Waste Disposal (NLD) and Fire Service Water (FSW) graphics with Operations Controls Systems and Training personnel.

Significant Planned Actions in the Next Six Months:

- Award EDG procurement
- Complete concrete placements for BOF Ammonia Facility
- Receive BOF ammonia vaporizer skid
- Complete water treatment facility

Issues:

No major issues.

Waste Treatment Plant Project - Percent Complete Status

Through February 2011

(Dollars - Millions)	Overall Facility Percent Complete Unallocated Dollars			Design/Engineering Unallocated Dollars			Procurement Unallocated Dollars			Construction Unallocated Dollars		
Facilities	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete
Low-Activity Waste	935.2	601.2	64%	222.5	198.7	89%	229.3	190.1	83%	335.3	206.3	62%
Analytical Lab	340.6	157.6	46%	52.2	41.8	80%	55.9	41.3	74%	97.3	63.0	65%
Balance of Facilities	523.4	241.2	46%	77.2	59.3	77%	81.2	37.3	46%	228.8	136.3	60%
High-Level Waste	1,451.2	754.0	52%	332.5	285.8	86%	450.6	285.6	63%	550.3	178.6	32%
Pretreatment	2,454.6	1,131.1	46%	669.5	518.5	77%	710.9	301.5	42%	891.6	305.4	34%
Shared Services	4,787.2	3,145.8	66%	1,101.9	866.8	79%	467.2	338.5	72%	1,418.3	994.0	70%
Total WTP w/o UB	**10,492.3**	**6,031.0**	**57%**	**2,455.9**	**1,970.8**	**80%**	**1,995.2**	**1,194.3**	**60%**	**3,521.6**	**1,883.6**	**53%**
Undistributed Budget	5.8	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total WTP	**10,498.1**	**6,031.0**	**57%**	**2,455.9**	**1,970.8**	**80%**	**1,995.2**	**1,194.3**	**60%**	**3,521.6**	**1,883.6**	**53%**

Source: WTP Contract Performance Report - Format 1, Data for February 2011

Note: Starting with the June 2009 report, facility Construction percent complete values decreased significantly, and a couple of Design/Engineering facility percent complete values went down as well. The decrease in values was tied to Phase I of BNI's elimination of WBS 1.08, Plant Wide EPCC; scope from WBS 1.08 was moved to facilities as appropriate or to WBS 1.90, Shared Services. This resulted in an increase in the facility construction budgets, which has correspondingly reduced the to-date percent complete values. In July 2010 the allocation of 1.90 to the facilities was removed to show true facility percent complete.

WORKING ORP Key Documents List
For April 26, 2011

Milestone Title	Milestone Number	Document	TPA Milestone Due Date (if applicable)[1]	ORP Delivery to Regulators Date[2]	Anticipated Regulatory Review Completion Date[3]	Final Completion Date[4]	DOE-ORP Lead	Contractor Lead	Ecology Lead	Comments/Issues
Submit to Ecology for Review and Approval as an Agreement Primary Document, a Phase 2 RCRA Facility Investigation/Corrective Measure Study Report for WMA C	Supports M-045-61	WMA C PA Ecological Risk Assessment Data Package, RPP-RPT-49425, Rev 0		04/19/11			B. Lober	S. Eberlein	J. Lyon	• Feeds input for M-045-61 and all Closure Plans • Document was posted on the working group website with email notification on 04/19/11
	Supports M-045-61	WMA C Characterization Summary 2011		09/30/11			B. Lober	S. Eberlein	J. Lyon	• Feeds input for M-045-61 and all Closure Plans
	Supports M-045-61	WMA C PA Initial Model Run Data Package		12/22/11			C. Kemp	S. Eberlein	J. Lyon	• Feeds input for M-045-61 and all Closure Plans
	Supports M-045-61	PA Data Package--Numeric Codes		12/31/11			C. Kemp	S. Eberlein	J. Lyon	• Feeds input for M-045-61 and all Closure Plans
	Supports M-045-61	WMA C PA Initial Document		02/28/12			C. Kemp	S. Eberlein	J. Lyon	• Feeds input for M-045-61 and all Closure Plans
	Supports M-045-61	WMA C Characterization Summary 2012		09/30/12			B. Lober	S. Eberlein	J. Lyon	• Feeds input for M-045-61 and all Closure Plans
	Supports M-045-61	WMA C Characterization Summary 2013		09/30/13			B. Lober	S. Eberlein	J. Lyon	• Feeds input for M-045-61 and all Closure Plans
	M-045-61	Phase 2 RCRA Facility Investigation/Corrective Measures Study Report for WMA C	12/31/14	12/31/14			B. Lober	S. Eberlein	J. Lyon	
Submit to Ecology for Review and Approval as an Agreement Primary Document, a Phase 2 Corrective Measures Implementation Work Plan for WMA C.	M-045-62	Phase 2 Corrective Measures Implementation Work Plan for WMA C	06/30/15	06/30/15			B. Lober	S. Eberlein	J. Lyon	
Complete portions of the C-200 Closure Demonstration Plan necessary to complete closure plan development for the SST system.	M-045-80	Description of Radioactive Waste Determination Process	01/31/11	12/28/10	05/30/11		C. Kemp	S. Eberlein	J. Lyon	• Initial ORP letter, 10-TPD-166 sent to ECY on 12/28/10 • ECY review extension to 04/18/11 received by ORP on 02/11/11 • ORP extension acknowledgement letter 11-TF-031 sent to ECY on 02/23/11 • 2nd ECY review extension letter 11-NWP-028 received by ORP on 04/20/11.
	M-045-80	RCRA/CERCLA Integration White Paper	01/31/11	12/28/10	05/30/11		C. Kemp	S. Eberlein	J. Lyon	• Initial ORP letter, 10-TPD-166 sent to ECY on 12/28/10 • ECY review extension to 04/18/11 received by ORP on 02/11/11 • ORP extension acknowledgement letter 11-TF-031 sent to ECY on 02/23/11 • 2nd ECY review extension letter 11-NWP-028 received by ORP on 04/20/11.
	M-045-80	Tank Removal Engineering Study	01/31/11	12/28/10	05/30/11		C. Kemp	S. Eberlein	J. Lyon	• Initial ORP letter, 10-TPD-166 sent to ECY on 12/28/10 • ECY letter for review extension to 04/18/11 received by ORP 01/13/2011 • ORP extension acknowledgement letter 11-TF-031 sent to ECY on 02/23/11 • 2nd ECY review extension letter 11-NWP-028 received by ORP on 04/20/11.

[1] "TPA Milestone Due Dates" are the direct regulatory drivers for completion of milestones.
[2] "ORP Delivery to Regulators Dates" are those dates that support future milestones, are submittal dates for permitting activities, or miscellaneous submittals that support ORP actions and represent the dates when ORP submits documents to the regulators. ORP Delivery to Regulators Dates may be earlier than TPA Milestone Due Dates if work is completed ahead of schedule.
[3] The "Anticipated Regulatory Review Completion Date" is generated based on TPA Milestone Agreements and TPA Section 9.0 documentation requirements for primary documents. This date will be changed and noted in "Comments/Issues" if extension of review is requested. If the document is a secondary document or for information only, the "Anticipated Regulatory Review Completion Date" may be listed as "N/A" for not applicable.
[4] "Final Completion Date" is entered after the document is reviewed, comments are incorporated, and any disputes are resolved. Any comment resolution issues or disputes will be noted under "Comments/Issues."

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WORKING ORP Key Documents List
For April 26, 2011

Milestone Title	Milestone Number	Document	TPA Milestone Due Date (if applicable)[1]	ORP Delivery to Regulators Date[2]	Anticipated Regulatory Review Completion Date[3]	Final Completion Date[4]	DOE-ORP Lead	Contractor Lead	Ecology Lead	Comments/Issues
Complete portions of the C-200 Closure Demonstration Plan necessary to complete closure plan development for the SST system (continued).	M-045-80	Evaluation of Alternatives for Removal of Waste from the C-301 Catch Tank	01/31/11	12/28/10	05/30/11		C. Kemp	S. Eberlein	J. Lyon	• Initial ORP letter, 10-TPD-166 sent to ECY on 12/28/10 • ECY review extension to 04/18/11 received by ORP on 02/11/11 • ORP extension acknowledgement letter 11-TF-031 sent to ECY on 02/23/11 • 2nd ECY review extension letter 11-NWP-028 received by ORP on 04/20/11.
Implement and Complete All Remaining Activities in the June 6, 2007 C-200 Closure Demonstration Plan (with any revisions as agreed to by Ecology and DOE).	Supports M-045-81	Pipeline Feasibility Study, RPP-RPT-45723		12/28/10	05/30/11		C. Kemp	S. Eberlein	J. Lyon	• Feeds input to M-045-81. • Initial ORP letter 10-TPD-166 sent to ECY on 12/28/10 • ECY review extension to 04/18/11 received by ORP on 02/11/11 • ORP extension acknowledgement letter 11-TF-031 sent to ECY on 02/23/11 • 2nd ECY review extension letter 11-NWP-028 received by ORP on 04/20/11.
	Supports M-045-81	Update C Closure Demonstration Plan		TBD			C. Kemp	S. Eberlein	J. Lyon	• Feeds input to M-045-81 • Awaiting language decision for LDR.
	M-045-81	Other Closure Demonstration Deliverables	09/30/14				C. Kemp	S. Eberlein	J. Lyon	
M-45-91 Interim Milestones and Target Dates for SSTs Implementing the Expert Panel's Recommendations (created via TPA Change Request CR M-45-10-01, approved on 01/03/2011)	M-045-91G-T05	Provide Report of the Visual Inspection of 12 SSTs Table P3.3	03/31/11	03/11/11			J. Johnson	S. Sax	J. Lyon	• ORP submitted report via letter 11-TF-039 on 03/11/11
	M-045-91C	Implement DQO Process, Test Plan to Evaluate the Chemistries	09/30/11	09/30/11			J. Johnson	S. Sax	J. Lyon	
	M-045-91G-T01	Provide AOR Final Doc. for SSTS on 530,000 Gallon Tanks	09/30/11	09/30/11			J. Johnson	S. Sax	J. Lyon	
	M-045-91B	DOE Submit a Sampling and Analysis Plan to Ecology	12/30/11	12/30/11			J. Johnson	S. Sax	J. Lyon	
	M-045-91F-T01	Provide Report of the Liquid Leak Rate Assessments	01/31/12	01/31/12			J. Johnson	S. Sax	J. Lyon	
	M-045-91F-T02	Provide Report of Liner Failures for SSTs	01/31/12	01/31/12			J. Johnson	S. Sax	J. Lyon	
	M-045-91G-T02	Provide AOR Final Doc. for SSTS on 750,000 Gallon Tanks	01/31/12	01/31/12			J. Johnson	S. Sax	J. Lyon	
	M-045-91D	Submit Analytical Test Plan for Cores Removed from C-107 Plug	03/31/12	03/31/12			J. Johnson	S. Sax	J. Lyon	
	M-045-91G-T06	Provide Report of the Visual Inspection of 12 SSTs M-045-91G-T05	03/31/12	03/31/12			J. Johnson	S. Sax	J. Lyon	
	M-045-91G-T03	Provide AOR Final Doc. for SSTS on 1,000,000 Gallon Tanks	09/31/12	09/31/12			J. Johnson	S. Sax	J. Lyon	
	M-045-91D-T01	Provide Report on the Concrete Dome Samples from Tank C-107 Plug	05/31/13	05/31/13			J. Johnson	S. Sax	J. Lyon	
	M-045-91F-T03	Provide Report on Testing for Ionic Conductivity of SSTs	05/31/13	05/31/13			J. Johnson	S. Sax	J. Lyon	
	M-045-91F-T04	Provide Report on 100-Series SSTs as having Leaked in RPP-32681	07/31/13	07/31/13			J. Johnson	S. Sax	J. Lyon	
	M-045-91E	Provide SST Farms Dome Deflection Surveys Every Two Years	09/30/13	09/30/13			J. Johnson	S. Sax	J. Lyon	

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WORKING ORP Key Documents List
For April 26, 2011

Milestone Title	Milestone Number	Document	TPA Milestone Due Date (if applicable)[1]	ORP Delivery to Regulators Date[2]	Anticipated Regulatory Review Completion Date[3]	Final Completion Date[4]	DOE-ORP Lead	Contractor Lead	Ecology Lead	Comments/Issues
M-45-91 Interim Milestones and Target Dates (continued)	M-045-91G-T04	Provide AOR Final Doc. for SSTS on 55,000 Gallon Tanks	10/31/13	10/31/13			J. Johnson	S. Sax	J. Lyon	
	M-045-91F	Provide Summary Conclusions Report on Leak Integrity	12/31/13	12/31/13			J. Johnson	S. Sax	J. Lyon	
	M-045-91G	Provide Summary Conclusions Report of AOR for SSTs	04/30/14	04/30/14			J. Johnson	S. Sax	J. Lyon	
	M-045-91B-T01	Provide Ecology report on the Concrete Core from TankA-106 or alt	09/30/14	09/30/14			J. Johnson	S. Sax	J. Lyon	
	M-045-91H	Submit Change Pkg (if necessary) to est. Additional Milestones	07/31/15	07/31/15			J. Johnson	S. Sax	J. Lyon	
	M-045-91I	Provide IQRPE Certification of SSTs Structural Integrity	09/30/18	09/30/18			J. Johnson	S. Sax	J. Lyon	
Prior to beginning construction and at least one year before construction is to be complete, DOE will submit to Ecology a final design and monitoring plan for each interim barrier.	M-045-92	Future Barrier Design 1	06/30/11	06/30/11			B. Lober	S. Eberlein	J. Lyon	
	M-045-92	Future Barrier Design 2	06/30/11	06/30/11			B. Lober	S. Eberlein	J. Lyon	
	M-045-92	Future Barrier Design 3	06/30/11	06/30/11			B. Lober	S. Eberlein	J. Lyon	
	M-045-92	Future Barrier Design 4	06/30/11	06/30/11			B. Lober	S. Eberlein	J. Lyon	
Submit to Ecology as an Agreement Primary Document a Catch Tank "assumed leak" Response Plan.	**M-045-100**	**Catch Tank "Assumed Leak" Response Plan (RPP-PLAN-48438)**	**12/28/10**	**12/28/10**	**05/30/11**		**C. Kemp**	**S. Eberlein**	**J. Lyon**	• Initial ORP letter 10-TPD-176 sent to ECY on 12/28/10 • ECY letter for extension to 04/18/11 received by ORP on 02/11/11 • ORP extension acknowledgement letter 11-TF-031 sent to ECY on 02/23/11 • 2nd ECY review extension letter 11-NWP-028 received by ORP on 04/20/11.
Submit to Ecology as an Agreement Primary Document a report on all Catch Tanks and associated pipelines that are identified in the SST System Part A, or otherwise used in operations.	**M-045-101**	**SST System Component Identification and Proposed Closure Strategy (RPP-PLAN-41977)**	**12/27/10**	**12/28/10**	**05/30/11**		**C. Kemp**	**S. Eberlein**	**J. Lyon**	• Initial ORP letter 10-TPD-176 sent to ECY on 12/28/10 • ECY letter for extension to 04/18/11 received by ORP on 02/11/11 • ORP extension acknowledgement letter 11-TF-031 sent to ECY on 02/23/11 • 2nd ECY review extension letter 11-NWP-028 received by ORP on 04/20/11.
Submit a System Plan to Ecology describing the disposition of all tank waste managed by ORP, including retrieval of all tanks not addressed by the Consent Decree, and the completion of the treatment mission	M-062-40	Submit System Plan to ECY/Select Minimum 3 Scenario's	TBD	TBD			R. Koll		J. Lyon	• Created via CR M-62-09-01 and establishes System Plan milestones
	M-062-40B	Submit System Plan	10/31/11	10/31/11			R. Koll	T. Crawford	J. Lyon	
	M-062-40ZZ	Submit One Time Tank Waste Supplemental Treatment Tech. Report	10/31/14	10/31/14			R. Koll		D. McDonald	
	M-062-45-ZZ	Technologies Selection Report	04/30/15	04/30/15			R. Koll		D. McDonald	
System Plan – WTP Report to Demonstrate WTP Design Meets Vitrification Efficiencies	M-062-49	Submit Report to ECY Demonstrating WTP Design Meets Vitrification Criteria	10/31/11	10/31/11			D. Noyes		D. McDonald	
Complete final design and submit RCRA Part B Permit Modification Request	M-062-31-T01	RCRA Part B Permit Modification--Final Design	04/30/16	04/30/16			D. Noyes		D. McDonald	

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WORKING ORP Key Documents List
For April 26, 2011

Topic Areas	Document	ORP Delivery to Regulators Date[1]	Anticipated Regulatory Review Completion Date[2]	Final Completion Date[3]	DOE-ORP Lead	Contractor Lead	Regulator Lead	Comments/Issues
PERMIT DOCUMENTS	Tier 1 Framework Closure Plan Update	05/31/12			C. Kemp	S. Eberlein	J. Lyon	
	Tier 2 WMA C Closure Plan	05/31/12			C. Kemp	S. Eberlein	J. Lyon	
	WMA C Closure Conceptual Design	09/30/12			C. Kemp	S. Eberlein	J. Lyon	
	All Remaining Closure Plans for WMA C	09/30/15			C. Kemp	S. Eberlein	J. Lyon	
	Tier 3 Closure Plans for Tanks Already Received	TBD			C. Kemp	S. Eberlein	J. Lyon	• Due 120-day post EIS
	Tier 3 Closure Plans for Additional Tanks	TBD			C. Kemp	S. Eberlein	J. Lyon	• Several Dates in out years
	WMA C Closure Design	TBD			C. Kemp	S. Eberlein	J. Lyon	• Final dates not yet determined
	DST Exhausters Notice of Construction and HIA	09/30/11			L. Huffman	F. Miera	J. Lyon	
	Supplemental Treatment Technology Notice of Construction	09/30/13			L. Huffman	F. Miera	J. Lyon	
	Submit Part B Permit Application for Selected Supplemental Treatment Technology	09/30/13			L. Huffman	F. Miera	J. Lyon	
	Wiped Film Evaporator Notice of Construction	09/30/14			L. Huffman	F. Miera	J. Lyon	
	Submit Wiped Film Evaporator Class 3 Permit Modification or Part B Permit Application	09/30/14			L. Huffman	F. Miera	J. Lyon	
	IDF Performance Assessment (ORP/WRPS has support role to RL/CHPRC)	09/30/12			T. Fletcher	F. Miera	J. Lyon	
MISCELLANEOUS DOCUMENTS	Process for Coring of an SST	05/30/11				F. Miera	J. Lyon	
	Submit Categorical TOC HIA	09/30/11				F. Miera	J. Lyon	
	RPP-32681, Rev. 1, Process to assess tank farm leaks in support of retrieval and closure planning	03/31/11			J. Johnson	S. Sax	J. Lyon	
	Quarterly Hose-In-Hose Transfer Lines (HIHTL) Reports	Ongoing Quarterly			J. Johnson		J. Lyon	• Back-reports submitted via email to ECY, formal letter 11-TPD-024 transmitted back reports to ECY on 03/29/11
TWRPS DOCUMENTS	C-101, RPP-22520	TBD			C. Kemp	K. Smith	J. Lyon	• Pending Approval of 2nd treatment technology
	C-105, RPP-22520	TBD			C. Kemp	K. Smith	J. Lyon	• Pending Approval of 2nd treatment technology
	C-110, RPP-33116	TBD			C. Kemp	K. Smith	J. Lyon	• Pending Approval of 2nd treatment technology
	C-111, RPP-37739	TBD			C. Kemp	K. Smith	J. Lyon	• Pending Approval of 2nd treatment technology

[1] Note: "ORP Delivery to Regulators Dates" are those dates that support future milestones, are submittal dates for permitting activities, or miscellaneous submittals that support ORP actions and represent the dates when ORP submits documents to the regulators.

[2] Note: The "Anticipated Regulatory Review Completion Date" is generated based on TPA Milestone Agreements and TPA Section 9.0 documentation requirements for primary documents. This date will be changed and noted in "Comments/Issues" if extension of review is requested. If the document is a secondary document or for information only, the "Anticipated Regulatory Review Completion Date" may be listed as "N/A" for not applicable.

[3] Note: "Final Completion Date" is entered after the document is reviewed, comments are incorporated, and any disputes are resolved. Any comment resolution issues or disputes will be noted under "Comments/Issues."

Bold red indicates DOE submittal is due within the next 90 days (for TPA milestone documents) **Bold green indicates document is currently under ECY Regulatory Review** **Bold blue indicates the document is completed**

ORP Project Managers Meeting
April 26, 2011
2440 Stevens Ctr.
Richland, Washington
Meeting Minutes Transmittal

Attachment D: Administrative Record Items

(5 pages including this coversheet)

Meeting Notes:
Future Characterization Sites for Potential Interim Barriers 2

Meeting Date:	February 2, 2011, 11:00 am
Location:	Ecology Building, Room 31
Purpose:	Discuss characterization information related to potential interim surface barriers and set priorities for characterization in FY2012.
Attendees:	Jeff Lyon (Ecology), Michelle Hendrickson (Ecology), Joe Caggiano (Ecology), Bob Lober (ORP), Cindy Tabor (WRPS), Harold Sydnor (WRPS), Jim Field (WRPS), Danny Parker (WRPS), Les Fort (WRPS), Susan Eberlein (WRPS)

Background:
ORP, Ecology and WRPS met in December 2010 and January 2011 to discuss plans for future interim barriers (per TPA milestone M-45-92). An action to determine potential barrier site characterization priorities for FY2012 was taken. Tank farms under consideration are BX, TX and U.

Topics discussed:

- The team reviewed the existing body of information on BX, TX and U. The technical information is attached in tables 1, 2 and 3. Specific areas of interest were:
    - Release of U, Sr, Nitrate and total inventory
    - Any available information about the depth of the contaminant plumes
    - Timing of the completion of retrieval for the farm
    - Whether there is already an impact on groundwater, and what it is
    - Constructability issues, including potential locations for evapo-transpiration basins

The group agreed on the following scope for FY2012:

- Surface Geophysical Exploration (SGE) will be performed at U tank farm using the emplaced deep electrodes.
- Perform the twelve planned direct pushes and install resistivity probes at TX tank farm.
- Hold a future decision meeting in approximately one year to address the FY13 characterization workscope. Results from the desiccation testing underway near the B tank farm complex need to be factored into considerations for potential future characterization/barrier work at or around the BX tank farm.

Concurrence:

Bob Lober, ORP — 3/14/2011 — Date

Jeff Lyon, Ecology — 3/14/11 — Date

FY12 Field Work Planning Information

Table 1. Leak Loss, Retrieval Date, and Barrier Constructability for Farms U, TX, and BX

Farm	Tank Inventory and Leak Loss Summary						Retrieval Completion Date	Barrier Constructability
	Primary Waste[a]	Leaker / Volume (gals)[b]	Tc-99 (Ci)	Total Uranium (metric ton)	Sr-90 (Ci)	Nitrate (metric ton)		
U	Bismuth phospate Metals REDOX	Tank 101 / 30,000 Tank 104 / 55,000 Tank 110 / 8,100 Tank 112 / 8,500	5	25	160	40	2039	High Difficulty surface accessibility issues & large amount of water in vadose zone
TX	Metals Strontium Recovery 242-T Evaporator REDOX	Tank 105 / NE Tank 107 / 2,500 Tank 110 / NE Tank 113 / NE Tank 114 / NE Tank 115 / NE Tank 116 / NE Tank 117 / NE	9	30	360	80	2038	High Difficulty evapotranspiration basin issue
BX	Metals B-Plant ion exchange Cladding Tri-butyl phosphate	Tank 101 / 4,000 Tank 102 / 91,600 Tank 108 / 2,500 Tank 110 / NE Tank 111 / NE	25	20	225	60	2034	High Difficulty evapotranspiration basin issue

[a]The Soil Inventory Model (SIM) has constituent uncertainty based on the Hanford Defense Waste mean concentration.
[b]NE = no estimate

Table 2. Completed Field Work for Farms U, TX, and BX

Farm	Completed Field Work		
	Well Logging[a]	**Direct Push # Locations /~ depth (ft bgs** **Constituent [max conc, depth [ft bgs])**	**Resistivity[b] SGE/deep probes**
U	SGLS & HRLS (used to calculate vadose plume volumes)	10 Locations / ~100 Nitrate [193 µg/g, 98] Technetium-99 [24 pCi/g, 98] U-238 [31 µg/g, 70]	SGE (WTW and STS)/ 10 deep probes @97 ft bgs – not used in SGE
TX		3 Locations[c] / ~115 Nitrate [850 µg/g, 86] Technetium-99 [13 pCi/g, 45] U-238 [2.6 µg/g, 110]	SGE (WTW and STS)/ no deep probes
BX		11 Locations / ~80 Nitrate [7 µg/g, 77] Technetium-99 [trace contaminant] U-238 [555 µg/g, 78]	SGE (WTW and STS)/ 4 deep probes @49-79 ft bgs – used in SGE[d]

[a]SGLS & HRLS = Spectral gamma logging system and high rate logging system (information used to estimate contamination volumes in Table 3)
[b]SGE = surface geophysical exploration, WTW = well to well, STS = surface to surface
[c]Closed-end probe methodology
[d]4 Locations with probes are identified on the direct push figure.

Table 3. Contamination Information for Farms U, TX, and BX

Farm	Contamination Information				
	Vadose Zone			Groundwater	
	U-238	Cs-137	Co-60	Depth to (ft bgs)	Primary constituent of concern[a]
	Soil plume volume in m^3 low concentration in pCi/g (% of volume) high concentration in pCi/g (% of volume, depth in ft bgs)				
U	7,583[b] 20 pCi/g (53%) 200 pCi/g (4%, 70)	41,828 0.5 pCi/g (66%) $5x10^5$ pCi/g (0.11%, 100)	1,455 0.2 pCi/g (53%) 5 pCi/g (1.2%, 4)	220	Nitrate (max 86 mg/L) Technetium-99 (max 2,200 pCi/L)
TX	8,746[b] 10 pCi/g (67%) 60 pCi/g (2%, 80)	42,027 0.5 pCi/g (80%) 500 pCi/g (0.1%, 50)	778,735 0.1 pCi/g (67%) 100 pCi/g (0.01%, 70)	217	Chromium (max 540 µg/L) Nitrate (max 300 mg/L) Technetium-99 (max 3,400 pCi/L)
BX	26,154 20 pCi/g (56%) 200 pCi/g (4%, 130)	164,020 0.5 pCi/g (52%) $1x10^6$ pCi/g (0.1%, 100)	18,218 0.1 pCi/g (80%) 5 pCi/g (1%, 60)	255	Cyanide (max 473 µg/L) Nitrate (max 846 mg/L) Technetium-99 (max 17,000 pCi/L) Uranium (max 5,500 µg/L)

[a]From 2009 groundwater report. Note: Max U-238 concentrations are 1.5 µg/L and 1.2 µg/L for U Farm area and TX/TY Farm area, respectively.
[b]For Farms U and TX, the uranium soil inventory is estimated to be up to 5 times greater than what was previously listed in SIMS (2005).